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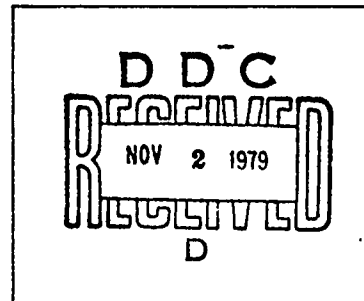
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AD A076073

USAFETAC/DS-79/079

**DATA PROCESSING DIVISION
ETAC, USAF
Air Weather Service (MAC)**

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

HONOLULU OAHU/JOHN RODGERS WBAS WBAN # 22521
N 21 20 W 157 55 ELEV 15 FT PHNL WMO # 91102

PARTS A-F
POR FROM HOURLY OBS JUN 39-JUL 49, NOV 49-MAY 67
POR FROM DAILY OBS JUN 39-JUL 49, NOV 49-MAY 67

05 DEC 1967

**FEDERAL BUILDING
ASHEVILLE, N. C.**

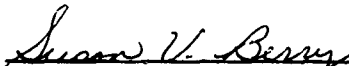
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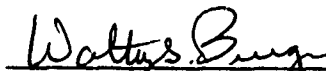
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Manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-79/079	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for John Rodgers WBAS, HI It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))																	

DD FORM 1 JAN 73 1473

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* HAWAII

* JOHN RODGERS UBAS, HI

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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REVISED
UNIFORM SUMMARY
OF
SURFACE WEATHER OBSERVATIONS

STA NO.	STATION NAME	LATITUDE	LONGITUDE	STA. ELEV FT.	CALL SIGN	WMO NO.
22521	HONOLULU CAHU/JOHN RODGERS WBAS	N 21 20	W 157 55	15	PHNL	91182

PERIOD OF RECORD

FOR HOURLY OBSERVATIONS	JUN 39-JUL 49, NOV 49-MAY 67
FOR DAILY OBSERVATIONS	JUN 39-JUL 49, NOV 49-MAY 67

SUMMARIES

- PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA
- PART B PRECIPITATION
SNOWFALL
SNOW DEPTH
- PART C SURFACE WINDS
- PART D CEILING VERSUS VISIBILITY
SKYCOVER
- PART E DAILY MAX, MIN, AND MEAN TEMPERATURES
EXTREME MAX AND MIN TEMPERATURES
PSYCHROMETRIC- DRY VS WET BULB
MEANS & STD DEV- DRY BULB, WET BULB, AND DEW POINT
RELATIVE HUMIDITY
- PART F STATION PRESSURE
SEA LEVEL PRESSURE

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

Revised UNIFORM SUMMARY of SURFACE WEATHER OBSERVATIONS

DESCRIPTION OF SUMMARIES:

Preceding each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

HOURLY OBSERVATIONS are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

STANDARD 3-HOUR GROUPS All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

DATA PROCESSING DIVISION
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ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATIONHONOLULU (AMU)/JOHN ROOSEFS RMAS
STATION NAME34-07
YEARSALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITION,
FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	3.0				8.0		.9			.9	13921
FEB		.2	2.2				8.4		.0			.6	17289
MAR		.2	8.2				8.2	.0	.1			.1	18969
APR		.1	7.5				7.5		.0			.0	18372
MAY		.1	6.0				6.0	.0	.1			.1	14955
JUN		.0	5.8				5.8	.0	.4			.4	16775
JUL		.0	6.3				6.3		.0		.0	.0	14354
AUG		.0	6.0				6.0		.0			.0	18700
SEP		.0	3.8				3.8	.0	.0			.0	18114
OCT		.0	6.5				6.5		.1		.0	.1	18725
NOV		.1	7.7				7.7	.0	.1			.1	18207
DEC		.1	9.1				9.0	.0	.1			.1	14396
TOTALS		.1	7.0				7.0	.0	.2		.0	.2	224362

4

DATA PROCESSING DIVISION
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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU GARD/JOHNS RODGERS F8A5
STATION NAME

40-67
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.3	8.6				8.6		.4			.4	7317
	03-05	.2	9.3				9.3		.4			.4	2314
	06-08	.2	8.1				8.1		1.4			1.4	2409
	09-11	.2	7.5				7.5		1.1			1.1	2409
	12-14		6.9				6.9		1.4			1.4	2406
	15-17	.2	7.9				7.9		1.4			1.4	2406
	18-20	.2	7.6				7.6		.5			.5	2348
	21-23	.2	8.2				8.2		.5			.5	2312
TOTALS		.2	8.0				8.0		.9			.9	12921

4

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU CARL JOHN RODGERS WBS
STATION NAME

40-67
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.2	9.2				9.2		.6			.8	2117
	03-05	.5	10.4				10.4		.6			.6	2114
	06-08	.1	8.1				8.1		1.1			1.1	2199
	09-11	.2	7.7				7.7		.8			.8	2203
	12-14	.3	8.0				8.0		.4			.4	2202
	15-17	.4	7.8				7.8		.4			.4	2202
	18-20	.2	10.0				10.0		.4			.4	2136
	21-23	.1	9.0				9.0		.4			.4	2116
TOTALS		.2	8.8				8.8		.6			.6	17285

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

WINDLELL GARDNER RIVER STATION
STATION NAME

40-03
YEARS

XAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	00-01	.2	10.3				10.5						2322
	02-03	.3	9.8				10.1		.0			.0	2322
	04-05	.2	8.4				8.6		.0			.0	2411
	06-07	.3	6.7				6.9		.1			.1	2414
	08-09	.2	6.7				6.7		.0			.0	2413
	10-11	.2	6.8				6.8		.1			.1	2412
	12-13	.4	7.5				7.5		.1			.1	2355
	14-15	.2	9.9				9.9	.0				.0	2320
TOTALS		.2	8.2				8.2	.0	.1			.1	18969

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU DAWD/JOHN RODGERS WEAS
STATION NAME

4-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-01		9.2				9.2						2243
	02-05	.0	9.4				9.4						2243
	06-08	.0	7.3				7.3		.2			.2	2334
	09-11	.1	5.9				5.9						2339
	12-14	.0	5.3				5.3						2337
	15-17		5.2				5.2						2339
	18-20	.0	7.6				7.6						2284
	21-23	.1	9.2				9.2						2253
TOTALS		.1	7.5				7.5		.0			.0	18372

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU CAMP/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.1	7.5				7.5						2341
	03-05	.0	7.1				7.1	.0	.1			.1	2346
	06-08		5.8				5.8		.2			.2	2393
	09-11	.0	3.2				3.2		.1			.1	2398
	12-14	.2	4.2				4.2		.0			.0	2397
	15-17	.2	5.7				5.7		.1			.1	2398
	18-20	.1	7.3				7.3		.1			.1	2350
	21-23	.0	7.2				7.2		.1			.1	2330
TOTALS		.1	6.0				6.0	.0	.1			.1	18955

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU CAHU/JCH% RODGERS WNAS
STATION NAME

39-66
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		7.3				7.3		.5			.5	2289
	03-05		7.0				7.0	.0	.5			.5	2307
	06-08		6.6				6.6		.5			.5	2397
	09-11		4.7				4.7		.3			.3	2397
	12-14		3.0				3.0		.3			.3	2396
	15-17	.0	3.5				3.5		.5			.5	2396
	18-20	.0	6.6				6.6		.4			.4	2304
	21-23	.0	8.0				8.0		.4			.4	2289
TOTALS		.0	5.8				5.8	.0	.4			.4	18775

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.0	8.5				8.5						2366
	03-05	.0	8.9				8.9						2373
	06-08		7.0				7.0		.1			.1	2474
	09-11		4.5				4.5				.0	.0	2472
	12-14		3.5				3.5						2464
	15-17	.0	4.2				4.2						2472
	18-20		6.8				6.8						2385
	21-23		7.5				7.5						2353
TOTALS		.0	6.3				6.3		.0		.0	.0	19359

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU (AHR)/JOHN RODGERS WBAS
STATION NAME

39-48, 50-62
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02		8.5				8.5						2290
	03-05		8.3				8.3						2290
	06-08		6.8				6.8		.0			.0	2378
	09-11		4.9				4.9						2385
	12-14		3.1				3.1						2387
	15-17	.0	3.5				3.5						2385
	18-20		6.1				6.1						2299
	21-23		7.3				7.3						2286
TOTALS		.0	6.0				6.0		.0			.0	18100

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU OAHU/JOHN RODGERS #BAS
STATION NAME

39-48,50-66
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02		4.6				4.6		.0			.0	2219
	03-05	.1	4.9				4.9						2219
	06-08		4.1				4.1	.0	.1			.1	2307
	09-11		3.2				3.2						2308
	12-14	.0	2.7				2.7		.1			.1	2306
	15-17	.0	3.3				3.3		.0			.0	2307
	18-20	.0	3.3				3.3		.0			.0	2231
	21-23		4.1				4.1						2217
TOTALS		.0	3.8				3.8	.0	.0			.0	10114

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521

STATION

HONOLULU OAHU/JOHN RODGERS WDA5

STATION NAME

39-48,50-60

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
GCT	00-02	.0	7.4				7.4						2286
	03-05	.0	7.0				7.0						2296
	06-08		6.2				6.2		.7			.7	2364
	09-11		4.9				4.9		.2			.2	2365
	12-14		5.1				5.1		.2		.0	.2	2380
	15-17		6.8				6.8						2383
	18-20	.0	7.1				7.1						2324
	21-23	.0	7.5				7.5						2287
TOTALS		.0	6.5				6.5		.1		.0	.1	18725

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521
STATION

HONOLULU DAHL/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.2	9.6				9.6		.0			.0	2294
	03-05	.0	9.1				9.1						2297
	06-08	.0	7.7				7.7	.0	.6			.7	2388
	09-11	.1	5.5				5.5		.3			.3	2395
	12-14	.1	6.1				6.1		.2			.2	2392
	15-17	.2	6.9				6.9		.0			.0	2394
	18-20	.2	8.0				8.0						2341
	21-23	.1	8.6				8.6						2306
TOTALS		.1	7.7				7.7	.0	.1			.1	10807

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WEATHER CONDITIONS

22521
STATION

HONOLULU CAMU/JOHN RODGERS NAS
STATION NAME

3-66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-01	.1	9.0				9.0		.0			.0	2367
	03-05	.0	9.6				9.6		.0			.0	2369
	06-08	.1	9.1				9.1		.2			.2	2477
	09-11		7.2				7.2	.1	.2			.3	2475
	12-14	.0	7.8				7.8		.2			.2	2473
	15-17	.1	9.2				9.2		.1			.1	2467
	18-20	.1	9.8				9.8		.1			.1	2399
	21-23	.1	10.5				10.5		.0			.0	2369
TOTALS		.1	9.0				9.0	.0	.1			.1	19396

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

22521

HONOLULU OAHU/JOHN RODGERS W8AS

46-67

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	3.1	62.1				58.6		1.6			1.6	682
FEB		3.9	67.4				63.4		1.3			1.3	621
MAR		4.5	64.5				63.0		.1			.1	682
APR		1.1	72.3				69.6		.2			.2	657
MAY		1.5	68.9				66.6						682
JUN		.2	72.2				67.9	.2	.6			.8	630
JUL		.3	74.6				71.8						649
AUG		.3	72.3				69.7						620
SEP		1.2	65.7				62.0						600
OCT		1.8	68.9				66.6						620
NOV		2.2	71.1				70.0						630
DEC		2.8	69.7				71.9		.2			.2	651
TOTALS		1.9	69.1				66.7	.0	.3			.3	7724

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, but has been removed from this summary.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS W8AS
STATION NAME

39-67
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-30	31-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	45.8	24.4	4.4	6.8	4.4	5.6	2.9	2.2	2.5	.8	.2			29.7	868	4.04	13.33	.01
FEB	39.1	26.9	5.6	9.6	4.9	6.2	3.4	2.1	1.5	.5	.1			34.0	791	2.53	13.68	.24
MAR	39.1	33.3	5.2	8.1	3.8	3.8	2.4	2.0	1.4	.9		.1		27.4	868	3.14	20.79	.01
APR	35.1	38.9	6.9	8.0	3.3	4.0	1.4	1.3	1.0					26.0	840	1.31	8.92	.01
MAY	37.6	42.9	5.6	6.3	1.7	2.9	1.6	.3	.7	.3				19.6	868	1.14	7.23	.01
JUN	34.8	46.8	6.4	8.9	1.4	1.0	.7							18.4	810	.24	.87	TRACE
JUL	33.0	47.5	5.6	8.9	1.7	1.4	1.1	.7						19.5	806	.50	1.73	.03
AUG	35.1	43.2	6.2	7.9	3.2	2.5	1.0	.5	.4					21.7	806	.70	3.08	TRACE
SEP	42.4	38.3	6.0	5.6	3.2	2.1	1.3	.8	.3					19.2	780	.69	3.39	.05
OCT	36.8	34.9	6.9	10.0	3.1	3.2	2.3	1.4	.8	.5				28.3	837	1.85	9.04	.08
NOV	35.0	37.0	5.0	9.4	3.5	3.9	2.3	1.5	1.3	.8	.2			28.0	840	2.83	14.72	.03
DEC	32.9	36.6	4.7	8.3	3.5	6.5	3.0	2.3	1.6	.2	.3			30.4	868	3.17	12.09	.22
ANNUAL	37.2	37.5	5.7	8.1	3.1	3.4	2.0	1.3	1.0	.4	.1	.0		25.2	9982	22.16		

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

22521 HONOLULU BAHU/JLHN RODGERS WEAS 39-67
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39						.18	.22	.21	2.09	4.53	2.60	.15	
40	.91	.08	1.08	.23	.49	.37	.64	.11	.14	.59	5.51	.15	5.51
41	.19	.18	.06	.11	.08	.32	.03	.92	.17	.97	.07	.08	.97
42	.13	.57	.22	.44	.01					4.05	2.33	4.23	
43	1.13	.45	1.00	.10	2.82	.08	.06	.12	.12	.05	.02	.43	3.13
44	.01	1.76	1.00	.01	.45	.05	.10	TRACE	.02	.06	.10	1.31	1.76
45	.05	.36	.07	2.15	.32	.01	.56	.22	.20	.03	.70	.63	2.15
46	2.41	.96	.18	.12	.12	.08	.29	.01	.07	.33	1.26	1.15	2.41
47	1.01	.16	.40	.13	1.38	.07	.06	.23	.83	.29	.59	.69	1.38
48	2.35	1.02	.44	1.09	.05	.12	.11	1.15	.80	.08	2.74	.20	2.74
49	5.02	3.16	.32	.05	.10	.30					.27	1.41	
50	4.59	.52	.38	2.29	.14	.03	.01	.72	.17	.25	.54	3.76	4.59
51	.50	1.17	4.11	.26	.13	.34	.08	.30	.36	2.80	.09	2.50	4.11
52	4.15	.15	.16	.14	.05	.03	.02	.04	.20	1.37	.30	.19	4.15
53	.57	1.43	.47	.12	.07	.01	.12	.02	.64	.39	.13	.49	1.43
54	.63	1.11	1.04	1.55	.13	.14	.96	.09	.38	.22	5.39	.97	5.39
55	2.27	5.52	3.53	.55	.41	.02	.14	.20	.07	.26	1.03	5.37	5.52
56	2.04	1.33	.29	.38	.35	.03	.04	.28	.13	.78	3.17	2.00	3.17
57	3.85	.96	.01	.49	.56	.07	.33	.12	.06	.07	1.78	1.43	3.85
58	.13	4.62	15.32	.18	.11	.07	.39	1.47	.28	1.28	.03	2.21	15.32
59	1.74	1.81	.09	.36	.62	TRACE	.20	2.10	.86	.42	1.00	.15	2.10
60	.13	.26	.52	.01	1.48	.09	.64	.18	.46	.69	.09	.83	1.48
61	2.01	.27	.19	.28	.09	.34	.12	.14	.40	.79	.71	.76	2.01
62	.97	1.31	1.00	.96	.13	.08	.08	.10	.22	.24	.02	1.99	1.99
63	6.40	.73	2.63	2.30	3.23	.14	.74	.02	1.35	.38	.16	.69	6.40
64	.38	.21	1.91	.17	.11	.03	.65	.21	.37	.08	.53	1.96	1.96
65	2.13	.45	.68	.54	3.44	.10	.46	.54	.32	1.38	4.32	6.40	6.40
66	.69	1.02	.30	.19	.35	.02	.39	.46	.06	1.13	3.65	.82	3.65
67	.31	1.00	2.53	.61	1.07								
MEAN	1.74	1.16	1.43	.56	.65	.12	.29	.38	.41	.87	1.40	1.54	3.74
S. D.	1.734	1.295	2.926	.689	.968	.115	.267	.908	.466	1.159	1.669	1.625	2.914
TOTAL OBS.	868	791	866	840	868	810	806	806	780	837	840	868	9962

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

22521
STATION

HONOLULU CAHU/JOHN RODGERS WNAS
STATION NAME

46-67
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-23	24-30	31-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														682	.0	.0	.0
FEB	100.0														621	.0	.0	.0
MAR	100.0														682	.0	.0	.0
APR	100.0														660	.0	.0	.0
MAY	100.0														682	.0	.0	.0
JUN	100.0														630	.0	.0	.0
JUL	100.0														620	.0	.0	.0
AUG	100.0														620	.0	.0	.0
SEP	100.0														600	.0	.0	.0
OCT	100.0														620	.0	.0	.0
NOV	100.0														630	.0	.0	.0
DEC	100.0														651	.0	.0	.0
ANNUAL	100.0														7698	.0	X	X

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

22521 HONOLULU OAHU/JOHN RODGERS WBAS 46-67

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	682	621	682	660	682	630	620	620	600	520	630	651	7698

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWDEPTH
(FROM DAILY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-67
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														868			
FEB	100.0														791			
MAR	100.0														868			
APR	100.0														840			
MAY	100.0														868			
JUN	100.0														810			
JUL	100.0														837			
AUG	100.0														837			
SEP	100.0														810			
OCT	100.0														837			
NOV	100.0														840			
DEC	100.0														868			
ANNUAL	100.0														10074			

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

EXTREME VALUES

SNOWDEPTH
(FROM DAILY OBSERVATIONS)

22521 HONOLULU OAHU/JOHN RODGERS WEAS 39-67

STATION

STATION NAME

YEARS

DAILY SNOWDEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39						0	0	0	0	0	0	0	
40	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0		0	0	0	0	0	
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0				0	0	
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0							
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	868	791	868	840	868	810	837	837	810	837	840	868	10074

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VAREBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

STATION NO: 22521	STATION NAME: HONOLULU OAHU/JOHN RODGERS WBAS	LATITUDE: N 21 20	LONGITUDE: W 157 55	SLANDER KELEV FT STA 15	CALL SIGN: PHNL	WMO NO: 91182
STATION HISTORY AND WIND EQUIPMENT INFORMATION						
DATE OF CHANGE	TYPE OF STATION CHANGE	WIND EQUIPMENT LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HEIGHT ABOVE GROUND	
Jun 1939 to Oct 1944	Hickam Field AAF Weather Station	Not available	N/A	N/A	N/A	
Jan 1945 to Nov 1945	No change	Located NE corner of first floor of Operations Bldg.	Anemometer	N/A	60 Ft	
Dec 1945 to Jun 1946	No change	Located NE corner of 2nd floor of ATC Terminal Bldg.	No change	N/A	34 Ft	
Jul 1946 to Jul 1949	No change	Not available	N/A	N/A	N/A	
11/1/49	WB Weather Station	Located on control tower	Selsyn	Friez Selsyn	93 Ft	
8/8/57	No change	No change	F420B & F102A	N/A	No chge	
10/11/62	No change	Located on the field	F420D & F005, F010, F102	N/A	21 Ft	
7/28/66	No change	No change	No change	F312	No chge	
5/31/67	No change	No change	No change	No change	No chge	

4

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

46, 52-57, 66-67

DAILY PEAK GUSTS IN KNOTS

[illegible]

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-67
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.8	1.1	.3	.0	.0						4.8	5.7
NNE	.8	1.2	.9	.5	.1	.0						3.6	7.0
NE	1.2	2.9	6.4	7.8	2.7	.3	.0	.0	.0			21.5	11.2
ENE	.6	3.0	9.9	12.6	4.2	.6	.0	.0				30.9	11.8
E	.7	1.9	5.3	4.6	1.6	.2	.0					14.3	10.7
ESE	.2	.4	.6	.3	.1	.0	.0	.0	.0			1.5	8.9
SE	.2	.4	.8	.7	.1	.0	.0	.0				2.2	9.8
SSE	.1	.3	.8	.6	.2	.0	.0	.0	.0			2.2	10.1
S	.2	.6	1.3	.6	.1	.0	.0					2.9	9.0
SSW	.1	.2	.6	.3	.0	.0	.0					1.3	9.2
SW	.1	.2	.6	.3	.1	.0	.0					1.3	9.3
WSW	.1	.1	.2	.2	.1	.0	.0					.6	10.3
W	.2	.2	.2	.1	.0	.0	.0					.8	7.3
WNW	.2	.3	.1	.0	.0	.0	.0					.7	5.3
NW	1.4	1.6	.7	.1	.0	.0						3.9	5.1
NNW	.8	1.2	.6	.1	.0	.0	.0					2.8	5.5
VARBL													
CALM												4.7	
	8.3	16.4	30.1	29.3	9.4	1.5	.1	.0	.0			100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

224409

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS W8AS
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	2.8	1.8	.5	.1	.0						7.6	5.7
NNE	1.4	1.8	1.0	.5	.1	.0						4.8	6.2
NE	1.8	2.6	3.4	2.9	.7	.2	.0	.0				11.6	8.9
ENE	.8	2.5	5.1	5.1	1.7	.4	.0	.0				15.7	10.9
E	.7	1.2	2.8	2.5	1.0	.3	.0					8.6	10.8
ESE	.3	.5	.8	.4	.1	.0	.0					2.7	8.7
SE	.4	.8	1.6	1.2	.2	.1		.0				4.4	9.3
SSE	.3	.8	1.6	1.1	.4	.3	.0	.0	.0			4.5	10.7
S	.5	1.3	2.6	1.6	.5	.2	.1					6.8	9.9
SSW	.2	.5	1.3	1.0	.2	.1	.0					3.3	10.2
SW	.4	.6	1.6	1.1	.4	.1	.0					4.1	10.1
WSW	.1	.2	.5	.8	.3	.0	.0					2.0	11.6
W	.4	.4	.6	.4	.2	.0						2.1	8.7
WNW	.4	.6	.3	.1	.0	.0						1.4	5.8
NW	3.0	3.1	1.4	.3	.1	.0						7.8	5.2
NNW	1.5	2.5	1.1	.4	.1	.0						5.5	5.7
VARBL													
CALM												7.6	
	14.5	22.2	27.7	19.8	6.1	1.8	.2	.0	.0			100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 18923

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAHU/JOHN RODGERS WB45
STATION NAME

40-67
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	2.4	1.9	.6	.1	.0						6.9	6.2
NNE	1.0	1.6	1.1	.6	.1	.0						4.4	6.9
NE	1.9	2.8	4.3	5.5	7.1	.6	.1	.0				16.7	11.0
ENE	.6	2.3	6.3	8.1	2.5	.5	.0					20.3	11.6
E	.5	1.3	3.3	2.7	.9	.2						8.8	10.4
ESE	.2	.4	.6	.3	.1	.0						1.6	8.5
SE	.3	.6	1.3	1.1	.2	.0	.0					3.5	9.7
SSE	.2	.5	1.1	.7	.2	.0						2.7	9.3
S	.3	.9	2.3	1.0	.1	.0						4.6	8.9
SSW	.1	.5	1.4	.7	.1	.0						2.7	9.3
SW	.1	.5	1.4	.8	.1	.0						2.9	9.3
WSW	.2	.1	.5	.7	.2	.0						1.7	11.1
W	.4	.5	.5	.3	.2	.1	.0					2.1	9.0
WNW	.4	.6	.3	.1	.0	.0	.0					1.5	6.4
NW	1.9	2.8	1.3	.5	.2	.0						6.8	6.0
NNW	1.2	2.2	1.4	.4	.2	.0						5.4	6.3
VARBL													
CALM												7.2	
	10.6	20.0	29.3	24.2	7.0	1.6	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

17291

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
 STATION

HONOLULU OAHU/JOHN RODGERS WBAS
 STATION NAME

40-67
 YEARS

MAN
 MONTH

ALL WEATHER
 CLASS

ALL
 HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.4	2.1	.7	.1	.0						7.3	6.2
NNE	1.0	1.5	1.1	.8	.2	.0						4.5	7.3
NE	1.2	2.2	5.1	6.2	2.3	.6	.1					17.7	11.5
ENE	.5	2.3	7.2	10.4	4.6	1.0	.0					26.3	12.5
E	.9	2.0	4.4	4.7	1.9	.4	.0					14.3	11.0
ESE	.1	.4	.7	.4	.1	.0	.0	.0				1.7	9.7
SE	.3	.4	1.0	1.0	.2	.0	.0					3.0	10.1
SSE	.2	.5	1.0	.6	.2	.1	.0					2.6	9.3
S	.3	.9	1.8	.8	.1	.1	.0					3.9	8.9
SSW	.1	.3	.9	.3	.1	.0	.0					1.7	9.2
SW	.1	.3	.8	.4	.2	.0	.0					1.8	10.3
WSW	.1	.2	.3	.3	.1	.0	.0					.9	10.4
W	.2	.3	.4	.2	.0	.0						1.0	7.8
WNW	.2	.5	.2	.1	.0							.9	5.6
NW	1.3	2.1	1.1	.3	.1	.0						5.0	5.8
NNW	.9	1.7	1.0	.2	.0							3.9	5.6
VARBL													
CALM												3.5	
	9.5	18.0	29.0	27.2	10.3	2.3	.2	.0				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

18972

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBA5
STATION NAME

40-67
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	1.1	.4	.0							4.7	6.0
NNE	.8	1.1	1.0	.7	.1							3.7	7.5
NE	1.1	2.5	6.5	7.8	3.1	.6	.0	.0				21.7	11.7
ENE	.7	2.0	9.3	12.6	4.7	.6	.0					30.7	12.0
E	.9	2.3	5.1	4.9	1.6	.2						15.1	10.5
ESE	.1	.3	.9	.3	.1	.0						1.3	8.6
SE	.2	.4	1.0	.8	.1	.0						2.5	9.5
SSE	.1	.3	1.1	.9	.3	.1						2.9	11.0
S	.2	.6	1.4	.6	.2	.0						3.1	9.7
SSW	.1	.2	.5	.3	.1	.0						1.2	9.5
SW	.1	.2	.2	.1	.0							.6	8.4
WSW	.0	.1	.1	.1	.0							.3	8.2
W	.2	.1	.1	.0	.0							.5	5.1
WNW	.2	.3	.1	.0								.6	5.4
NW	1.1	1.4	.6	.1	.0	.0						3.2	5.2
NNW	.8	1.1	.8	.2	.1		.0					3.0	8.3
VARBL													
CALM												4.9	
	7.9	15.5	29.5	29.9	10.5	1.7	.0	.0				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

18372

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WEAS
STATION NAME

40-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	.8	.5	.0							3.6	5.6
NNE	.5	.8	.9	.6	.2	.0						3.0	8.1
NE	.9	2.7	7.0	9.6	3.5	.4	.0					24.2	11.7
ENE	.5	3.2	11.1	13.9	4.7	.5	.0					33.8	11.9
E	1.1	2.2	6.2	4.9	1.4	.2						15.9	10.2
ESE	.1	.4	.6	.3	.1	.0						1.5	8.7
SE	.1	.2	.5	.5	.1							1.4	7.7
SSE	.1	.2	.5	.5	.1							1.4	10.2
S	.2	.3	1.0	.5	.0							2.0	8.7
SSW	.1	.2	.6	.2	.0	.0						1.1	7.0
SW	.1	.2	.4	.1	.0							.9	8.2
WSW	.0	.1	.2	.1	.0							.3	7.7
W	.1	.1	.1	.0								.3	5.2
WNW	.3	.2	.1	.0								.6	4.4
NW	.8	1.2	.4	.0								2.4	4.6
NNW	.6	.8	.4	.1								1.9	5.1
VARBL													
CALM												5.7	
	6.6	14.1	30.7	31.7	10.1	1.1	.0					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 18964

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAHU/JOHN RODGER'S 4845
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.7	.3	.1	.0							1.9	4.9
NNE	.4	.7	.5	.3	.0	.0						1.9	4.9
NE	.7	2.6	6.9	9.5	3.7	.5	.0					24.0	11.9
ENE	.5	3.4	12.6	17.1	5.2	.5	.0					39.3	11.9
E	.8	2.6	7.8	6.6	2.1	.3	.0					26.3	10.7
ESE	.2	.4	.7	.4	.1	.0						1.7	8.7
SE	.1	.2	.4	.3	.0	.0						1.0	9.7
SSE	.0	.1	.5	.5	.1	.0						1.3	11.3
S	.1	.2	.6	.3	.1	.0						1.3	9.2
SSW	.0	.1	.2	.1	.0							.5	9.0
SW	.1	.1	.1	.1	.0							.3	8.3
WSW	.0	.0	.0	.0								.1	7.2
W	.1	.0	.0	.0								.2	4.1
WNW	.1	.1	.0	.0								.2	4.0
NW	.6	.0	.1	.0								1.3	4.0
NNW	.4	.3	.1	.0								.8	4.1
VARBL													
CALM												3.7	
	5.0	12.1	30.9	35.4	11.4	1.4	.0					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

18771

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (U.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.4	.1	.0	.0						1.8	5.7
NNE	.3	.5	.7	.3	.1	.0						1.9	7.9
NE	.9	2.9	8.2	10.8	4.1	.7	.0					27.6	11.9
ENE	.3	3.3	13.4	17.8	5.7	.9	.0					41.4	12.1
E	.6	2.1	7.1	6.3	2.5	.4	.0					19.0	11.1
ESE	.1	.3	.5	.3	.1							1.3	8.9
SE	.1	.1	.2	.2	.1	.0						.7	10.4
SSE	.0	.1	.2	.2	.0							.5	9.9
S	.0	.1	.3	.1	.0							.6	8.9
SSW	.0	.1	.1	.0								.2	7.8
SW	.0	.0	.1	.0								.1	7.4
WSW	.0	.0	.0									.0	6.9
W	.1	.0	.0									.1	4.0
WNW	.1	.1	.0	.0								.2	4.3
NW	.4	.5	.2	.0								1.1	4.5
NNW	.2	.3	.1		.0							.7	4.7
VARBL													
CALM												2.7	
	3.8	11.0	31.7	36.2	12.6	2.0	.0					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 19363

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WEAS
STATION NAME

39-48, 50-66
YEARS

AUG
MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	.3	.0	.3							1.6	5.0
NNE	.4	.4	.5	.3	.1							1.9	7.4
NE	.7	2.9	8.5	10.8	4.3	.6	.0					27.7	11.9
ENE	.4	3.1	13.3	16.6	6.5	.9	.0					42.8	12.3
E	.5	2.1	7.0	6.3	2.1	.2	.0					18.2	11.1
ESE	.1	.3	.5	.3	.1	.0	.0		.0			1.3	10.0
SE	.1	.1	.3	.3	.1	.0	.0	.0				.9	11.1
SSE	.1	.1	.3	.3	.1							.7	10.2
S	.0	.1	.3	.2	.1							.7	9.6
SSW		.0	.1		.0	.0						.1	8.5
SW	.0	.0	.1	.0	.0							.2	8.2
WSW	.0	.0	.0	.1	.0	.0	.0					.2	12.8
W	.0	.0		.0	.0							.1	5.8
WNW	.1	.0	.0	.0								.1	3.9
NW	.5	.5	.1									1.1	6.0
NNW	.3	.3	.1									.6	4.2
VARGL													
CALM												1.7	
	3.8	10.8	31.4	37.0	13.4	1.7	.1	.0	.0			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

18699

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS BAS
STATION NAME

39-48, 50-60
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.6	.6	.1	.0							3.6	5.0
NNE	.8	1.3	.8	.4	.0							3.4	6.5
NE	1.1	3.5	7.9	9.3	2.7	.3						24.8	10.9
ENE	.7	3.9	12.3	13.9	4.4	.3						35.5	11.4
E	.5	1.9	6.3	4.7	1.4	.2						15.0	10.5
ESE	.2	.3	.5	.7	.1	.0						1.4	8.6
SE	.1	.3	.5	.5	.1	.0	.0					1.5	16.1
SSE	.1	.2	.7	.5	.1							1.6	9.8
S	.1	.4	1.4	.4	.0							2.5	8.5
SSW	.0	.1	.4	.1	.0							.6	4.7
SW	.0	.1	.2	.0								.4	7.6
WSW	.0	.0	.0	.0								.1	7.9
W	.1	.1	.1	.0								.3	4.9
WNW	.2	.2	.0									.4	3.0
NW	1.2	1.3	.3	.0								2.8	4.3
NNW	.7	1.0	.2	.0								1.8	4.2
VARBL													
CALM												4.2	
	7.2	16.2	32.2	30.5	8.9	.8	.0					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

18118

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WHAS
STATION NAME

39-48,50-66
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.3	1.0	.3	.0	.0						5.3	5.2
NNE	1.0	1.5	.9	.5	.1	.0						3.9	6.4
NE	1.4	3.6	7.3	8.3	2.2	.3						23.0	10.7
ENE	.8	3.5	10.8	11.7	3.1	.4	.0					30.3	11.1
E	.5	1.6	5.3	4.6	1.4	.2						13.5	10.8
ESE	.2	.3	.6	.3	.1	.0	.0					1.5	8.8
SE	.2	.3	.9	1.0	.1	.0						2.6	10.0
SSE	.1	.3	.9	.6	.1	.0						2.0	9.5
S	.2	.7	1.3	.6	.0							2.8	8.2
SSW	.1	.2	.6	.2	.0							1.1	8.5
SW	.1	.2	.5	.2	.0							1.0	8.2
WSW	.0	.1	.2	.1	.0							.5	8.2
W	.2	.2	.2	.0								.6	5.4
WNW	.3	.3	.1	.0								.7	4.6
NW	1.4	1.7	.7	.1	.0							3.9	4.7
NNW	1.0	1.4	.5	.1	.0							2.9	4.8
VARBL													
CALM												4.4	
	9.0	13.4	31.6	28.5	7.1	1.0	.0					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

18725

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WNAS
STATION NAME

29-66
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.8	1.2	.3	.1	.0						6.6	5.3
NNE	.9	1.4	1.1	.6	.1	.0						4.2	6.8
NE	1.7	3.1	6.0	6.4	1.9	.3	.0		.0			19.4	10.4
ENE	.8	3.2	9.6	12.6	3.8	.7	.1					30.7	11.7
E	.5	1.6	3.8	3.7	1.1	.1						10.9	10.6
ESE	.2	.3	.6	.3	.0	.0						1.4	8.5
SE	.3	.4	.7	.6	.1	.0	.0					2.2	9.8
SSE	.2	.5	1.1	.7	.2	.1	.0					2.8	10.0
S	.4	.7	1.5	.9	.1	.0						3.2	8.1
SSW	.2	.3	.6	.2	.0							1.4	9.0
SW	.1	.3	.5	.2	.0							1.1	7.9
WSW	.1	.1	.1	.1								.3	7.7
W	.3	.2	.1	.0	.0							.6	4.7
WNW	.3	.3	.1	.0								.6	4.6
NW	2.2	2.3	.9	.2	.0	.0						5.6	4.8
NNW	1.0	1.5	.5	.1	.0							3.1	4.0
VARBL													
CALM												5.9	
	11.1	18.9	28.5	26.7	7.4	1.3	.1		.0			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

18910

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU DAHM/JOHN RODGERS WBS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.8	1.6	.5	.2	.6						5.8	6.0
NNE	1.0	1.9	1.3	.7	.1	.0						5.1	6.9
NE	1.5	3.0	5.1	6.1	2.1	.5	.0	.0				19.6	10.7
ENE	.7	2.5	7.6	9.0	3.2	.8	.0					23.9	11.7
E	.6	1.5	3.9	3.7	1.5	.4	.0					11.6	11.0
ESE	.2	.4	.5	.3	.1	.0						1.6	8.9
SE	.3	.6	1.0	.7	.2	.1						2.8	9.5
SSE	.2	.7	1.2	1.0	.2	.0						3.6	9.7
S	.3	.7	1.5	.9	.1	.0						3.6	8.9
SSW	.1	.2	.9	.4	.0	.0						1.6	8.8
SW	.2	.2	.7	.5	.1	.0						1.7	9.5
WSW	.1	.2	.3	.3	.1	.0						.9	9.9
W	.4	.3	.4	.3	.0	.0						1.4	7.4
WNW	.3	.5	.2	.1	.0							1.1	5.4
NW	2.0	2.4	1.1	.2	.1							5.8	5.1
NNW	1.1	2.0	1.0	.3	.1	.0	.0					4.4	5.8
VARBL													
CALM												4.6	
	10.7	20.1	29.5	24.9	8.1	2.0	.1	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

19395

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CAHU/JOHN RODGERS WB&S
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	4.4	2.1	.3	.1							10.5	5.0
NNE	2.0	2.6	.6	.1		.0						5.4	4.6
NE	2.1	3.0	3.7	1.6	.4	.1						10.8	7.6
ENE	1.0	2.5	5.7	3.5	1.3	.2						14.2	9.9
E	.9	1.5	2.7	1.8	.6	.2						7.8	5.7
ESE	.1	.5	.6	.2	.1	.0						1.5	8.8
SE		.1	.4	.5	.3	.0						1.4	12.2
SSE		.0	.4	.5	.4	.3	.0					1.8	15.8
S		.0	.7	.9	.4	.2						2.3	13.9
SSW		.2	.3	1.0	.2	.1						1.7	12.9
SW	.3	.1	.8	.3	.2							1.6	9.8
WSW	.1	.2	.2	.5	.2	.1						1.3	11.6
W	.6	.3	.3	.2	.1	.0						1.6	7.5
WNW	.6	1.0	.3	.1								2.0	5.7
NW	5.4	6.3	2.4	.1								14.2	4.6
NNW	3.3	4.2	1.6	.1	.1							9.4	4.9
VARBL													
CALM												12.4	
	20.0	27.2	22.8	11.7	4.4	1.4	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

2317

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WDCS
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0900
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	4.9	2.2	.3								12.1	4.8
NNE	2.4	2.7	.8	.3	.1	.0						6.4	5.1
NE	2.2	3.0	2.7	1.0	.3	.1	.0					10.4	6.7
ENE	1.4	3.5	5.2	3.0	1.4	.1						14.6	9.2
E	.0	1.3	2.7	1.7	.5	.1	.0					7.1	9.6
ESE	.3	.4	.5	.4	.0	.1						1.8	8.7
SE	.2	.2	.3	.3	.3	.3						1.6	12.4
SSE	.1	.1	.4	.7	.2	.3						1.9	14.4
S	.0	.1	.5	1.0	.2	.1	.1					2.1	13.8
SSW		.1	.4	.7	.2	.0	.0					1.5	13.1
SW	.3	.1	.4	.7	.3	.0	.0					1.9	12.1
WSW	.1	.0	.4	.4	.2							1.1	11.4
W	.2	.4	.3	.3	.1							1.3	8.2
WNW	.6	1.0	.2	.0								1.8	4.7
NW	5.2	5.4	1.8	.2								12.5	4.5
NNW	2.6	5.1	1.8	.2								9.8	5.0
VARBL													
CALM												12.1	
	21.3	29.3	20.7	11.2	3.9	1.3	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2314

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521 STATION HONOLULU OAHU/JOHN RODGE S KBAS 40-67 YEARS JAN MONTH 0600-0600 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	4.4	1.7	.2	.0							11.0	4.6
NNE	2.4	2.5	.8	.2	.0							6.0	4.7
NE	3.2	3.4	3.1	1.6	.3	.2						11.7	7.1
ENE	1.3	3.3	4.4	3.5	.9	.3						13.7	9.1
E	1.1	1.3	3.1	2.1	.7	.2						8.6	4.6
ESE	.3	.5	.8	.3	.1							2.0	7.8
SE	.3	.4	.3	.4	.3	.1						1.9	10.5
SSE	.2	.1	.2	.0	.1	.3	.0	.0	.1			1.7	15.8
S	.1	.4	.5	1.5	.5	.1	.0					3.1	13.0
SSW	.1	.0	.2	.6	.1	.0						1.1	12.6
SW	.1	.2	.6	.8	.4	.1						2.2	12.6
WSW	.1	.1	.1	.3	.2	.0						.8	11.1
W	.5	.5	.6	.2	.1							2.0	6.9
WNW	.7	1.0	.6									2.2	5.0
NW	6.6	5.1	1.5	.2								13.4	4.2
NNW	2.4	3.8	1.3	.2	.0							7.8	5.0
VARBL													
CALM												10.7	
	24.2	27.1	19.7	12.7	3.9	1.5	.1	.0	.1			100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2409

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.0	1.7	.5	.1							4.2	7.5
NNE	.5	.5	.9	.6	.2	.0						2.7	8.9
NE	.9	1.5	3.4	2.9	.9	.2						9.8	10.2
ENE	.3	1.2	4.5	6.0	2.2	.6						14.8	12.3
E	.5	1.2	3.6	4.6	1.9	.3						12.2	11.8
ESE	.6	.7	1.5	1.0	.1	.1						3.9	8.6
SE	1.2	1.8	2.9	2.1	.2							8.3	8.3
SSE	1.1	1.8	2.0	1.1	.6	.3	.1	.1				7.1	9.7
S	1.7	2.9	3.4	2.1	.5	.4	.2					11.0	9.0
SSW	.5	1.1	1.1	1.0	.2	.1	.1					4.1	9.1
SW	.4	.5	1.7	1.0	.2	.1						3.9	9.8
WSW	.2	.3	.4	.7	.3							2.0	10.9
W	.3	.5	.8	.7	.2							2.4	9.2
WNW	.4	.6	.2	.2	.0							1.5	5.9
NW	1.1	1.3	1.3	.5	.1							4.3	6.8
NNW	.3	.9	.6	.4	.1							2.3	7.3
VARBL													
CALM												5.6	
	11.0	17.6	29.9	25.5	7.6	2.1	.4	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

2409

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.7	1.2	.1	.1						2.3	11.6
NNE	.0	.2	1.0	1.2	.2							2.6	11.0
NE	.3	.5	2.3	4.6	1.3	.3						9.3	12.4
ENE	.0	.5	3.2	7.3	3.1	.8	.0					15.0	13.9
E	.1	.5	2.2	3.9	1.2	.7	.0					6.6	13.3
ESE		.3	.8	.7	.2	.1						2.2	11.6
SE	.2	1.1	3.4	4.0	.2	.1						9.1	10.4
SSE	.2	1.4	5.1	3.2	.5	.3	.1					10.8	10.4
S	.5	2.3	7.8	3.4	1.0	.1	.1					15.2	9.9
SSW	.2	.7	3.5	2.1	.2	.2	.0					7.0	10.3
SW		.7	3.3	2.3	.9	.1						7.3	11.3
WSW	.1	.1	1.0	1.2	.5	.0						2.9	12.4
W	.2	.2	.8	.6	.5	.1						2.9	11.7
WNW		.1	.3	.1	.1							.5	10.6
NW	.1	.1	.6	.7	.5	.1						2.2	12.5
NNW	.1	.1	.4	.6	.2							1.4	11.6
VARBL													
CALM												1.0	
	2.2	9.1	36.4	37.1	10.8	3.2	.3					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

2406

DATA PROCESSING DIVISION
STAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAHU/JOHNN RODGERS WEAS
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	1.5	.8	.2							3.4	9.5
NNE	.2	.3	1.2	1.1	.3							3.1	10.3
NE	.5	.8	4.1	5.7	1.4	.2						12.5	11.9
ENE	.2	1.0	5.3	8.7	2.1	.6	.0					17.9	12.4
E	.3	.8	2.5	2.5	1.5	.3	.0					7.7	12.2
ESE	.2	.5	.9	.4	.1	.0	.0					2.2	9.0
SE	.2	1.6	3.1	1.2	.7	.1						8.5	8.7
SSE	.3	1.5	3.4	1.1	.3	.1						6.7	3.9
S	.8	3.0	5.6	1.9	.5	.2	.2					12.1	8.9
SSW	.1	1.1	3.1	1.5	.2	.0						6.0	9.3
SW	.9	1.5	4.1	2.2	.3	.2	.1					9.6	9.1
WSW	.1	.3	1.4	1.7	.3	.0	.0					3.9	11.8
W	.2	.3	.7	.6	.3	.1						2.4	10.8
WNW	.0	.2	.4	.1	.0							.7	8.6
NW	.2	.3	.7	.4	.3	.0						2.0	10.2
NNW	.1	.2	.8	.6	.2	.0						2.0	10.6
VARBL													
CALM												1.2	
	4.9	14.2	38.7	30.3	6.3	2.0	.5					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

2406

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DANU/JOHN RUDGERS WRAS
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS, DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	3.5	2.1	.3								8.6	5.4
NNE	1.3	2.3	1.4	.5	.0							5.6	6.2
NE	2.4	3.5	4.4	3.5	.6	.2		.1				14.7	8.5
ENE	1.2	4.1	7.2	4.9	1.5	.4		.6				19.4	9.9
E	.8	2.1	3.3	1.6	.8	.7						8.8	9.2
ESE	.3	.7	.9	.3	.1							7.3	7.6
SE	.6	1.2	1.4	.3	.3	.1		.0				3.9	8.1
SSE	.4	.8	.9	.8	.3	.1						3.3	9.1
S	.9	1.4	1.4	.9	.2	.7	.0					5.1	8.7
SSW	.3	.4	1.2	.6	.2							7.7	9.3
SW	.7	.9	1.4	.8	.1							3.8	8.0
WSW	.2	.5	.5	.8	.3	.0						2.3	10.8
W	.7	.5	1.0	.4	.0							2.7	6.9
WNW	.2	.5	.3	.1	.0	.0						1.2	7.8
NW	1.2	1.9	.8	.0								4.0	4.9
NNW	.8	1.8	1.2	.6								4.3	6.5
VARBL													
CALM												7.3	
	14.4	26.0	29.8	16.5	4.5	1.3	.0	.2				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

2346

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU CAHU/JOHN RODGERS WEAS
STATION NAME

40-67
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.3	2.0	.3	.0							9.3	5.1
NNE	2.0	3.2	1.1	.2								6.6	5.1
NE	2.9	4.1	3.4	2.4	.6	.2						13.6	7.6
ENE	.8	4.1	3.6	3.5	1.5	.4						15.9	9.7
E	1.0	1.5	2.5	1.7	1.0	.3						8.0	9.9
ESE		.0	.6	.3	.1							1.9	7.5
SE	.3	.3	1.0	.8	.2	.0						2.6	10.2
SSE	.1	.3	.5	.5	.5	.2			.0			2.1	12.9
S	.2	.4	1.0	1.0	.3	.2						3.1	11.3
SSW	.2	.2	.5	.5	.2	.0						1.7	10.5
SW	.3	.3	.8	.4	.4							2.2	10.3
WSW	.1	.2	.3	.6	.3	.0						1.5	12.5
W	.3	.6	.4	.2	.0							1.6	6.7
WNW	.0	.6	.1		.0							1.6	4.4
NW	4.1	4.1	1.9	.2								10.2	4.7
NNW	2.3	3.8	1.2	.2	.1							7.5	5.0
VARBL													
CALM												10.7	
	18.7	28.3	22.7	12.7	5.3	1.5			.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2314

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	3.6	2.4	.2								9.6	5.0
NNE	2.1	2.4	.9	.3	.1							5.8	5.3
NE	2.3	4.0	4.5	3.3	1.5	.2	.0					15.8	8.9
ENE	1.1	3.1	7.0	5.0	1.2	.2						17.6	9.8
E	.7	1.7	3.7	1.9	.7							5.7	9.2
ESE	.2	.5	.6	.2	.0							1.5	7.5
SE	.1	.1	.3	.4			.1					1.1	11.0
SSE	.0	.0	.2	.2	.0							.6	10.8
S	.0	.1	.5	.3	.1	.0						1.1	10.8
SSW		.2	.3	.3								.8	9.4
SW	.3	.4	.4	.2								1.4	6.9
WSW	.1		.4	.4								.9	9.8
W	.6	.6	.4	.3	.1							2.0	7.1
WNW	.7	1.2	.5	.1								2.5	5.2
NW	2.7	5.1	1.9	.2								9.8	5.0
NNW	2.3	4.1	2.2	.4								8.9	5.4
VARBL													
CALM												12.0	
	16.6	27.2	26.3	13.6	3.8	.4	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2117

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU BAH/JOHN RODGERS W8AS
STATION NAME

40-67
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.4	2.3	.7								10.7	4.9
NNE	1.7	2.7	1.1	.1								5.1	3.1
NE	2.5	4.0	4.5	3.8	1.5	.2						16.5	9.0
ENE	.7	3.7	5.9	5.4	.9	.1						16.7	9.6
E	.7	1.0	2.6	1.9	.4	.0						7.2	9.0
ESE	.3	.5	.5	.2								1.5	8.7
SE	.1	.1	.1	.2	.1	.1	.1					.9	13.6
SSE	.1	.1	.4	.4	.1							1.1	9.7
S	.1	.1	.3	.4	.2	.0						1.2	11.7
SSW	.0	.1	.5	.4	.0							1.1	10.3
SW		.3	.6	.2								1.1	8.8
WSW	.2	.0	.3	.3	.0	.0						1.0	9.7
W	.3	.6	.5	.2	.1							1.8	7.5
WNW	.7	.9	.4	.1		.0						2.2	5.3
NW	3.4	5.6	2.3	.0								11.4	4.9
NNW	2.1	4.5	1.8	.1								8.4	5.1
VARBL													
CALM												12.1	
	16.6	28.8	24.0	14.2	3.6	.7	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2112

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU GAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0900
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	4.4	.0	.1								10.0	4.9
NNE	1.7	2.2	1.3	.3	.1	.0						5.6	5.7
NE	1.8	3.9	3.9	4.2	.8	.2						14.8	9.1
ENE	1.1	2.9	6.7	5.0	1.5	.4	.0					17.6	10.2
E	1.0	1.7	3.5	2.0	.5	.1						8.7	9.0
ESE	.2	.4	.6	.3								1.5	7.7
SE	.0	.2	.5	.1	.1							.9	8.9
SSE		.2	.3	.4	.0							.9	10.7
S	.0	.1	.8	.5	.0							1.5	7.9
SSW		.1	.4	.6	.0							1.1	11.2
SW	.1	.4	.5	.2	.0							1.3	8.1
WSW	.2	.0	.1	.4		.1						.8	10.8
W	.6	.5	.4	.2	.1	.0						1.8	7.5
WNW	.8	.0	.3	.2	.0							2.2	5.3
NW	4.4	5.2	2.2	.2	.0							12.0	4.8
NNW	2.4	3.9	1.6	.1	.0							8.0	5.0
VARBL													
CALM												11.2	
	17.8	26.9	25.0	14.9	3.4	.9	.0					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2200

4
DATA PROCESSING DIVISION
FTAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU GAFU/JOHN RODGERS WPA5
STATION NAME

40-67
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	1.6	.9	.1	.0						3.9	9.9
NNE	.2	.6	.8	.6	.0							2.2	8.7
NE	.6	1.1	3.8	4.9	2.5	.5	.0					13.6	12.4
ENE	.5	1.1	5.3	9.3	3.3	1.0						20.4	12.9
E	.4	1.4	3.8	4.7	1.9	.5						12.7	11.6
ESE	.4	.6	1.1	.8	.2	.0						3.1	9.2
SE	.9	1.6	2.5	1.5	.5							7.0	8.6
SSE	.7	1.4	2.0	1.0	.4	.0						5.4	8.5
S	1.2	2.0	3.6	1.7	.1	.0						8.8	8.0
SSW	.2	.9	1.7	.6	.1							3.6	8.7
SW	.3	.3	1.3	1.0	.1							2.9	9.5
WSW	.1	.2	.6	.8	.1							1.9	10.3
W	.3	.7	.5	.4		.1	.1					2.1	9.2
WNW	.3	.4	.3	.3	.0	.0						1.3	8.4
NW	.6	.9	.8	.8	.2							3.4	6.0
NNW	.4	.5	1.0	.5	.5	.1						2.9	9.7
VARBL													
CALM												5.0	
	7.8	14.3	30.7	29.7	10.1	2.4	.2					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 2205

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU DANI/JOHN RODGERS WNAS
STATION NAME

40-67
YEARS

FEE
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.0	1.0	.3							2.7	10.8
NNE	.1	.1	1.0	1.2	.2	.2						2.8	12.2
NE	.1	.4	2.7	7.8	3.3	1.3	.1					15.7	14.6
ENE	.0	.6	4.2	11.8	4.7	1.1	.0					22.4	14.2
E	.2	.3	2.0	4.0	1.4	.5						8.4	13.3
ESE	.1	.4	.5	.6	.1	.0						2.0	10.5
SE	.0	.7	3.3	3.8	.5	.1						8.4	11.2
SSE	.1	.6	3.4	2.0	.4	.1						6.7	10.4
S		1.3	6.4	3.0	.1							10.8	9.6
SSW	.0	.7	3.1	2.0	.0	.0						5.9	10.0
SW	.0	.3	2.7	2.0	.3							5.4	10.4
WSW			.3	1.3	.5	.0						2.1	14.8
W		.2	.2	.5	.2	.2	.1					1.4	14.7
WNW	.0	.1	.1	.0	.1	.0	.1					.6	14.8
NW		.1	.7	.7	.5	.1						2.1	13.3
NNW	.0	.2	.5	.7	.4							1.8	11.9
VARBL													
CALM												.8	
	1.0	6.3	32.2	42.7	12.9	3.7	.4					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

2202

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU CAHU/JOHN RODGERS WPAS
STATION NAME

40-67
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5	.9	1.4	.4							3.1	11.5
NNE		.3	1.0	1.1	.2	.1						2.7	11.4
NE	.2	1.1	4.9	9.6	3.0	1.3	.1					20.1	13.4
ENE	.0	.5	5.5	11.8	4.0	.8	.0					22.6	13.5
E	.1	.5	3.0	3.0	1.0	.1						7.7	11.7
ESE	.1	.2	.8	.2	.1							1.4	9.1
SE	.3	.7	2.4	2.0	.2	.0						5.7	10.0
SSE	.2	.7	1.9	1.3	.2							4.2	9.5
S	.3	1.9	4.7	1.4	.0	.0						8.4	11.4
SSW	.2	1.0	3.1	1.1	.1							5.6	8.8
SW	.0	.9	3.1	1.8	.2	.0						6.0	9.8
WSW	.3	.2	.8	1.1	.6	.0						3.1	11.6
W	.1	.4	.6	.7	.5	.2	.0					2.5	13.0
WNW		.2	.4	.2								.7	8.9
NW	.3	.3	1.0	1.0	.5	.1						3.1	11.0
NNW	.1	.3	.6	.9	.3	.0						2.2	11.3
VARBL													
CALM												.8	
	2.2	9.6	34.7	38.5	11.2	2.8	.2					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 2202

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS #6AS
STATION NAME

40-67
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	2.8	.6								7.0	8.5
NNE	.8	1.6	2.1	.5	.1							5.1	7.0
NE	1.9	3.3	5.6	6.0	1.9	.5	.0					19.2	11.4
ENE	.6	3.1	9.4	8.0	2.6	.3						23.8	10.8
E	.6	1.5	4.3	2.1	.6	.0						9.0	9.4
ESE	.1	.4	.7	.2								1.5	7.5
SE	.4	.9	1.0	.2								2.5	6.8
SSE	.2	.5	.7	.4	.0							1.9	7.7
S	.6	1.0	1.1	.5	.1							3.4	7.7
SSW	.3	.3	1.0	.5	.0							2.2	8.3
SW	.3	1.1	1.7	.2	.1							3.4	7.4
WSW	.5	.4	.9	.9	.1							2.8	9.1
W	.3	.9	1.2	.2	.1	.0						2.8	7.6
WNW	.2	.4	.2	.2								1.0	6.6
NW	1.0	1.6	1.3	.6	.2	.0						4.7	7.3
NNW	.7	1.3	1.3	.5	.1	.0						3.9	7.1
VARBL												5.9	
CALM													
	9.6	20.8	34.2	21.3	6.1	.9	.0					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 2136

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72521 HONOLULU CAMU/JOHN RUDGERS WBAS STATION NAME 40-67 YEARS FEB MONTH 2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.4	2.7	.3								4.8	5.4
NNE	1.3	3.6	.9	.3	.0							6.2	5.4
NE	2.7	4.4	4.4	4.2	1.8	.6		.0				18.7	9.4
ENE	.7	3.6	7.0	8.0	1.8	.2						21.4	10.4
E	.9	1.7	3.1	2.0	.5	.0						8.3	9.1
ESE	.0	.4	.2	.1								.7	6.6
SE	.2	.4	.4	.2								1.7	7.1
SSE	.1		.1	.0	.2							.4	12.3
S	.1	.1	.6	.5	.1							1.4	10.1
SSW	.1	.3	.7	.3								1.5	8.3
SW	.0	.5	.5	.3	.1	.0						1.5	9.5
WSW			.1	.6	.3	.1						1.1	10.8
W	.7	.6	.6	.2								2.1	5.8
WNW	.5	.8	.2	.0								1.6	5.1
NW	2.3	3.4	2.0	.2								8.0	5.2
NNW	1.7	3.4	2.3	.3								7.7	5.6
VARBL													
CALM												10.2	
	13.9	26.8	26.2	17.2	4.7	.9		.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2117

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WEAS
STATION NAME

40-67
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	3.9	2.5	.2								10.1	5.1
NNE	1.6	2.7	.9	.3	.1							5.9	5.4
NE	2.1	3.0	5.3	4.2	1.5	.7						16.3	9.4
ENE	.9	3.8	9.4	7.0	1.9	.4						24.0	10.2
E	1.3	2.6	4.4	4.7	1.1	.2						14.2	9.9
ESE		.3	.6	.3	.0							1.3	4.3
SE	.1	.0	.3	.3	.1							.9	11.1
SSE	.0	.0	.1	.3	.0	.1						.6	12.5
S	.1	.1	.3	.5	.0	.2						1.3	11.7
SSW	.0	.2	.2	.2	.1	.0						.8	11.1
SW	.0	.1	.2	.1	.0	.0	.1					.6	13.2
WSW	.0	.1					.0					.2	10.8
W	.2	.1	.2	.1								.6	6.5
WNW	.3	.6	.2	.0								1.2	4.9
NW	2.6	4.0	1.9									8.4	4.9
NNW	1.8	3.4	2.2	.1								7.5	5.3
VARBL												6.2	
CALM													
	14.6	24.9	28.9	19.1	4.9	1.1	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

2322

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DANU/JOHN RODGERS WRAE
STATION NAME

40-67
YEARS

NAH
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.9	4.3	1.9	.4	.1							11.6	4.8
NNE	2.1	2.2	.7	.1	.0							5.3	4.7
NE	1.9	3.2	6.5	3.6	.9	.1						16.7	8.9
ENE	1.0	3.4	8.2	7.8	1.8	.2	.0					22.4	10.4
E	1.1	3.2	5.4	3.0	.5	.1						13.6	9.1
ESE	.2	.2	.4	.1								.9	7.0
SE	.2	.0	.3	.0	.2							.8	9.9
SSE	.0	.1	.4	.3		.0						.8	10.5
S	.1		.5	.6	.2	.1	.0					1.6	13.2
SSW		.0		.2	.0	.0						.3	16.0
SW		.1	.3	.2	.1	.0	.0					.7	12.7
WSW		.1	.2	.0								.3	7.4
W	.2	.2	.2	.1								.7	6.3
WNW	.3	1.1	.2	.0								1.7	4.8
NW	2.3	4.4	1.9	.1								8.7	9.0
NNW	2.1	3.6	1.2	.1	.0							7.1	5.0
VARBL													
CALM												7.2	
	16.5	26.2	28.3	16.8	4.1	.7	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

2322

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.8	4.0	2.8	.2	.1	.0						10.9	5.3
NNE	2.1	1.9	1.0	.1	.0							5.2	5.0
NE	2.0	2.7	5.5	4.4	1.0	.3						16.0	9.5
ENE	.9	3.5	8.1	6.9	2.9	.4	.0					22.7	10.8
E	1.7	2.4	5.2	4.1	1.2	.3						14.9	9.7
ESE	.1	.5	.9	.5	.0							2.1	8.6
SE	.5	.3	.5	.2	.0		.0					1.5	7.4
SSE	.3	.1	.2	.3	.1	.0						1.1	8.9
S	.3	.2	.2	.5	.0							1.3	8.2
SSW	.1	.0	.3	.1	.1							.6	9.4
SW	.2	.2	.4	.1	.3	.1						1.2	10.8
WSW	.0		.0	.1								.2	9.0
W	.3	.3										1.0	9.2
WNW	.4	1.0	.2									1.5	4.6
NW	3.1	4.0	1.5	.2								8.7	4.7
NNW	1.6	2.8	1.2	.1								5.8	4.2
VARBL													
CALM												5.3	
	17.6	24.0	28.2	17.8	5.9	1.2	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2412

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU GARD/JOHN RODGERS WEAS
STATION NAME

40-67
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	1.6	1.0	.0							4.0	8.4
NNE	.1	.7	1.2	1.2	.2							3.4	9.9
NE	.2	.7	3.2	7.1	2.7	1.0	.1					15.1	13.9
ENE	.2	.9	5.1	12.0	6.5	1.5	.0					26.4	14.2
E	.5	1.3	3.6	6.4	4.1	.4						16.2	12.9
ESE	.2	.5	1.0	.6	.3	.1	.0	.1				2.8	11.1
SE	.7	1.2	2.1	1.8	.4	.0						6.3	9.5
SSE	.5	1.2	1.8	1.6	.3	.0						4.8	8.7
S	.7	2.6	3.9	1.2	.2							8.4	7.9
SSW	.2	.9	1.4	.2		.1	.0					2.9	8.3
SW	.1	.4	.8	.5	.2	.1						2.2	10.6
WSW	.2	.7	.1	.3								.8	8.0
W	.1	.4	.3	.5	.1							1.3	9.3
WNW	.1	.3	.2									.6	5.5
NW	.2	.7	.7	.4	.1							2.0	7.6
NNW	.1	.5	.3	.2								1.0	7.7
VARBL													
CALM												1.7	
	4.6	13.2	27.3	34.2	15.2	3.4	.2	.1				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

2415

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

225.1
STAT ON

HONOLULU CANT/JOHN RODGERS WHIS
STATION NAME

40-67
YEARS

KAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.2	.9	1.2	.1							2.4	11.3
NNE	.0	.2	1.0	1.7	.5	.1						3.4	12.4
NE	.2	.2	2.6	7.0	5.3	1.1	.2					17.4	15.2
ENE		.5	2.9	12.5	8.7	2.7						27.2	15.5
E	.3	.8	2.4	5.4	3.4	.8	.0					17.2	13.7
ESE	.1	.4	.4	.2	.1	.1	.1					1.4	11.4
SE	.1	.4	2.1	3.6	.6	.0						6.9	11.8
SSE	.1	.7	2.8	2.0	.4	.1						6.2	10.6
S	.1	.8	5.0	2.0	.2							8.1	9.8
SSW		.4	2.7	1.0	.1	.0						4.2	9.7
SW	.1	.5	1.9	1.2	.5	.0						4.1	10.9
WSW	.0	.1	.4	.3	.3							1.4	12.1
W		.1	.5	.2	.1							1.0	10.8
WNW		.0	.2	.1	.0							.4	10.0
NW	.0	.1	.4	.7	.4	.0						1.7	12.8
NNW	.1	.0	.3	.3								.7	9.9
VARBL													
CALM												.3	
	1.2	5.5	23.4	40.5	20.8	5.0	.3					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU GAFU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	1.7	1.2	.0							3.4	9.9
NNE	.1	.3	1.3	1.5	.3	.0						3.4	11.2
NE	.2	.7	5.1	9.7	3.9	1.8	.2					21.6	14.0
ENE		.7	5.1	15.1	7.4	2.0	.0					30.3	14.6
E	.3	.9	2.9	5.1	2.2	.5	.0					12.1	12.8
ESE	.1	.3	.5	.2	.1	.0						1.4	8.8
SE	.4	.5	1.3	1.7	.2	.1						4.1	10.3
SSE	.2	.9	1.7	.7	.2	.1						3.8	9.1
S	.4	2.0	3.2	.8	.0	.0						6.5	8.0
SSW	.1	.7	1.0	.4	.2							3.1	8.5
SW	.2	.5	1.9	.8	.1							3.5	9.3
WSW		.1	.9	.6	.3							1.9	11.7
W	.1	.2	.5	.4	.1							1.3	9.8
WNW		.1	.0	.1	.0							.3	11.1
NW	.2	.2	.6	.7	.2	.0						1.9	11.1
NNW	.1	.2	.4	.2	.1							1.0	9.6
VARBL													
CALM												.4	
	2.3	8.7	20.9	39.3	15.4	4.7	.3					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 2412

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU NAPO/JOHN RODGERS WBS
STATION NAME

40-67
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.6	3.2	.8	.1							7.3	7.2
NNE	.7	1.7	1.7	.8	.0	.0						4.9	7.0
NE	1.0	3.0	6.7	7.0	1.7	.3						19.7	10.6
ENE	.2	2.8	9.2	12.6	4.3	.5						29.7	12.1
E	.9	2.1	6.2	4.5	.9	.3						15.0	10.1
ESE	.0	.2	.8	.3	.1							1.5	9.7
SE	.3	.6	.7	.3	.1							2.0	8.0
SSE	.5	.8	.6	.2	.3	.0	.0					2.4	8.2
S	.4	1.0	.6	.5	.2	.0						2.7	7.6
SSW	.2	.4	.3	.2								1.1	7.1
SW	.3	.3	.4	.2	.0							1.1	7.2
WSW	.1	.4	.6	.4	.1							1.5	9.1
W	.4	.7	.6	.1		.0						1.8	6.5
WNW	.1	.2	.1	.1								.6	8.5
NW	.6	1.1	.8	.2	.1							2.7	8.6
NNW	.3	1.3	1.4	.2	.0							3.2	6.7
VARBL													
CALM												2.7	
	6.8	18.9	34.0	28.3	8.0	1.3	.0					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2356

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAHU/JOHN RODGERS WBAG
STATION NAME

40-67
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.4	2.2	.6								8.8	5.5
NNE	1.1	2.2	1.2	.3	.1	.0						4.9	5.0
NE	1.9	4.1	5.7	5.7	1.6	.1						19.1	9.5
ENE	.7	4.4	10.0	8.4	3.4	.3						27.4	10.8
E	1.4	2.8	5.3	4.1	1.6	.4						15.5	10.0
ESE	.1	.6	.1	.5	.2	.0						2.1	9.4
SE	.0	.2	.4	.2	.0							.9	9.1
SSE	.2	.1	.3	.1	.2		.0					1.0	10.0
S	.1	.2	.4	.3	.0	.1						1.2	10.1
SSW	.0	.0	.3	.3								.6	10.8
SW	.1	.1	.2	.1	.0							.5	9.8
WSW	.1	.2	.1	.0		.1	.0					.6	10.9
W	.3	.2	.2			.0						.7	6.5
WNW	.3	.5	.2	.0	.0							1.1	5.8
NW	1.8	2.5	1.4	.1	.1							5.9	5.5
NNW	1.6	2.4	1.3	.0								5.3	5.0
VARBL													
CALM												4.3	
	12.6	23.7	29.9	21.0	7.2	1.2	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

2320

DATA PROCESSING DIVISION
 FTAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2521
 STATION

HONOLULU OAHU/JOHN RODGERS WNAS
 STATION NAME

40-67
 YEARS

APR
 MONTH

ALL WEATHER
 CLASS

0000-0200
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	2.8	1.3	.2								6.8	4.9
NNE	1.4	1.8	.8	.1	.1							4.2	5.3
NE	1.5	4.6	7.6	4.2	1.4	.3						19.7	9.2
ENE	1.1	5.4	12.0	8.1	1.7	.2						28.5	9.7
E	1.8	3.4	5.8	3.3	.7	.0						15.1	8.5
ESE	.1	.3	.5	.3	.0							1.2	8.2
SE	.1	.3	.2	.2								.7	7.9
SSE	.1	.2	.2	.5	.3	.2						1.4	13.7
S	.0	.1	.1	.1	.2							.6	10.9
SSW	.0		.0	.2								.3	10.7
SW	.1			.0								.1	5.7
WSW		.0										.0	5.0
W	.4	.2		.0								.6	3.7
WNW	.2	.6	.2									1.0	4.8
NW	2.3	2.3	1.2	.1	.0							6.0	4.9
NNW	1.2	2.0	1.0	.0								4.3	4.9
VARBL													
CALM												9.5	
	12.9	24.0	31.0	17.5	4.5	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2243

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN ROGERS HBS
STATION NAME

40-47
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	2.2	1.0	.2								7.8	4.5
NNE	1.6	2.3	.6	.2	.0							4.8	5.0
NE	2.2	4.4	6.9	3.4	.8	.2						17.9	5.6
ENE	1.2	5.0	12.0	6.9	1.4							20.6	9.3
E	1.3	3.3	5.2	2.9	.4	.0						13.1	8.4
ESE	.3	.2	.4	.0								.2	0.4
SE	.2	.1	.3	.0								.6	6.9
SSE	.0		.2	.4	.3	.2						1.2	14.8
S	.0	.3	.1	.1	.1							.6	8.6
SSW	.1		.1	.2	.1							.5	11.3
SW	.1	.0										.1	3.3
WSW	.0											.0	3.0
W	.2	.1	.0									.4	4.3
WNW	.6	.8										1.4	3.9
NW	2.9	3.5	1.1									7.5	4.5
NNW	2.0	2.5	1.6	.1	.0							6.3	5.3
VARBL													
CALM												10.4	
	16.2	25.6	29.5	14.6	3.1	.5						106.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2243

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS MBAL
STATION NAME

40-67
YEARS

APR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.6	1.3	.3								6.6	4.6
NNE	1.4	2.0	1.1	.4	.0							4.9	5.9
NE	1.6	3.2	6.7	4.6	1.7	.2						17.9	9.4
ENE	1.0	4.2	11.2	9.0	2.2	.4						28.8	10.4
E	1.6	3.3	5.6	3.1	1.1	.1						16.8	7.5
ESE	.2	.7	.8	.2	.0							1.9	7.4
SE	.6	.3	.6	.4	.0							2.0	7.1
SSE	.2	.2	.3	.4	.1	.0						1.2	10.5
S	.2		.3	.2	.3							.9	11.2
SSW	.1			.1	.1							.3	10.2
SW	.1	.1										.2	3.4
WSW		.1	.0									.1	5.0
W	.5	.3										.7	3.2
WNW	.0	.5	.2	.0								.8	2.9
NW	2.1	2.4	.7	.1								5.3	4.6
NNW	1.2	2.0	.8	.1								4.1	3.1
VARBL													
CALK												7.3	
	13.7	21.8	29.5	21.8	5.1	.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

2334

4
DATA PROCESSING DIVISION
FTAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.7	.4	.1							1.9	9.0
NNE	.1	.3	1.0	1.2	.2							2.0	10.4
NE	.3	.9	4.7	9.5	3.4	.9	.1					19.8	13.3
ENE	.2	.3	6.1	15.3	6.8	1.3	.0					29.8	14.0
E	.2	1.6	5.3	7.7	3.7	.4						18.9	12.5
ESE	.3	.4	.9	.4	.1							2.1	8.7
SE	.3	.7	2.2	2.2	.1							5.5	10.2
SSE	.2	.9	2.4	1.5	.3	.0						5.3	9.6
S	.6	1.6	2.4	.9	.5	.0						6.1	8.7
SSW	.1	.7	1.1	.4	.1	.0						2.4	8.8
SW	.0	.1	.3	.3								.7	7.6
WSW		.1	.2	.1								.4	8.5
W	.0	.1	.1									.3	5.7
WNW	.0		.1									.2	7.3
NW	.0	.3	.2	.1	.2							.8	7.4
NNW	.1	.3	.8	.4	.0							1.6	9.2
VARBL													
CALM												1.2	
	2.8	8.6	28.6	40.7	15.6	2.6	.1					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 2339

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU DAHM/JOHN RODGERS W845
STATION NAME

40-67
YEARS

APR
MONTH

ALL HEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.7	.7	.1							2.1	10.1
NNE	.1	.0	.8	1.3	.5							2.7	12.5
NE	.1	.4	3.9	10.5	6.7	1.0						22.6	14.7
ENE	.0	.3	3.4	17.1	9.9	1.3						32.3	15.1
E	.1	.7	2.2	6.5	3.5	.8						13.8	13.9
ESE	.1	.1	.3	.3	.2	.1						1.1	11.7
SE		.4	2.1	2.6	.3							5.3	11.4
SSE		.5	2.6	2.6	.7	.2						6.5	11.5
S	.2	.6	3.8	1.0	.4							6.7	10.0
SSW	.0	.2	1.2	.9	.1							2.5	10.3
SW		.3	.6	.5	.1							1.4	10.3
WSW		.1	.0	.3								.4	10.2
W	.0		.1	.0	.0							.2	10.6
WNW			.1	.0								.2	10.0
NW		.1	.2	.1	.0	.0						.6	11.1
NNW		.2	.2	.4	.3							1.1	12.5
VARBL													
CALM												.3	
	.8	4.6	22.2	45.7	22.8	3.6						100.0	13.5

TOTAL NUMBER OF OBSERVATIONS 2337

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN ROOSEFS WBAS
STATION NAME

40-67
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.8	.9	.2							7.4	10.4
NNE	.1	.1	1.5	1.5	.2							3.3	11.2
NE	.0	.5	6.3	13.6	6.6	1.3	.1	.1				28.6	14.5
ENE	.2	.4	5.6	17.6	8.1	1.1						33.0	14.3
E	.1	.4	3.3	5.7	1.9	.4						11.3	13.0
ESE	.0	.0	.4	.3	.1							.9	10.3
SE	.0	.6	1.6	.5								2.7	8.6
SSE	.1	.4	2.0	1.3	.3	.0						4.1	10.5
S	.2	1.3	3.1	1.3	.1	.0						6.1	8.9
SSW		.7	1.1	.4	.3							1.4	10.3
SW	.0	.3	.8	.3	.0							1.4	9.1
WSW		.1	.2	.1								.5	8.6
W	.0	.2	.3	.0								.0	7.2
WNW		.1	.1	.1								.3	9.4
NW	.1	.2	.1	.3	.0							.7	8.9
NNW	.0	.2	.5	.1	.2		.0					1.1	10.8
VARBL													
CALM												.0	
	1.2	5.4	27.6	44.0	18.0	2.9	.1	.1				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

2339

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-57
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.1	.0								5.0	6.8
NNE	.3	1.4	1.5	.5	.0							3.3	7.3
NE	1.0	2.2	8.9	9.9	2.8	.3	.0	.1				25.9	11.7
ENE	.9	2.8	12.1	14.1	3.5	.2	.0					33.2	11.6
E	.8	2.7	7.2	3.6	.5	.0						14.9	9.2
ESE	.1	.4	.4	.2	.0	.0						1.1	9.0
SE	.3	.4	.8	.1	.1	.0						1.8	7.7
SSE	.2	.5	.7	.3	.4	.1						2.2	10.1
S	.1	1.0	1.0	.3	.2	.0						2.6	8.2
SSW	.4	.1	.4	.1	.0							1.0	6.4
SW	.1	.4	.1									.7	5.3
WSW	.1		.1	.1	.0							.4	8.1
W	.1	.2	.2	.0								.5	6.3
WNW	.0	.0	.2	.0								.3	7.7
NW	.1	.2	.3	.0	.0							1.3	5.9
NNW	.4	.4	.8	.2								1.8	6.7
VARBL													
CALM												3.4	
	5.5	14.9	36.9	30.2	7.7	1.4	.1	.1				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

2284

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS BAS
STATION NAME

40-67
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	1.0	.1								4.9	5.1
NNE	1.0	1.4	.7	.1								3.2	5.3
NE	1.7	4.1	7.0	6.2	1.9	.4	.0					21.4	10.1
ENE	1.2	4.5	12.4	11.3	3.2	.4						33.1	10.6
E	1.6	3.5	5.9	4.2	1.0	.1						16.2	9.1
ESE	.1	.4	.6	.0	.0							1.2	7.4
SE	.3	.1	.3	.2								.8	7.8
SSE	.0	.1	.4	.6	.2							1.4	11.5
S	.0	.2	.2	.1	.1							.7	9.1
SSW	.0	.1	.0	.1	.0							.3	9.9
SW	.1	.0										.1	3.3
WSW		.1										.1	5.3
W	.4		.1									.5	3.7
WNW	.3	.3	.0									.6	3.6
NW	1.4	1.6	.9	.0								4.6	4.9
NNW	1.0	1.7	1.2	.3								4.2	5.8
VARBL													
CALM												7.2	
	10.9	20.4	30.7	23.3	6.5	.9	.0					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

2253

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22571
STATION

HONOLULU DAHM/JOHN REDGERS WEAS
STATION NAME

40-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-2400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.9	.8	.0								5.3	4.3
NNE	1.2	1.0	.6	.1								2.4	5.1
NE	1.4	5.0	9.1	6.7	.6	.1						22.9	9.1
ENE	.9	5.6	14.0	7.9	.9	.0						29.6	9.3
E	1.8	3.4	6.9	2.5	.5	.0						15.3	6.2
ESE	.2	.5	.5	.1								1.3	6.4
SE	.1	.0	.1	.0								.3	6.2
SSE				.1	.0							.2	14.3
S		.1	.1	.0								.2	7.8
SSW	.0		.1	.0								.2	7.3
SW	.1		.1									.2	4.8
WSW		.1										.1	5.0
W	.1	.0										.1	4.0
WNW	.4	.3	.1									.8	7.1
NW	2.1	2.0	.8									5.6	4.3
NNW	1.5	1.6	.5									3.6	4.4
VAREL													
CALM												11.4	
	12.4	22.6	33.8	17.6	2.0	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

2242

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.7	1.2	.0								1.9	6.4
NNE	1.1	1.7	.9	.3	.0							4.2	5.6
NE	1.9	4.7	2.1	4.9	1.0	.1						20.4	8.8
ENE	.7	6.3	13.2	5.2	.9	.0						26.4	8.9
E	1.5	3.1	6.7	2.0	.1							13.4	7.9
ESE	.2	.6	.7	.1	.0							1.8	7.0
SE	.1	.3	.1									.5	5.1
SSE	.0	.1	.0	.1								.3	7.6
S				.1								.1	12.5
SSW				.0								.0	11.0
SW	.0	.0	.0									.1	5.3
WSW		.1	.2									.3	7.8
W	.3	.0										.2	3.0
WNW	.8	.4	.0									1.2	3.4
NW	2.2	2.9	.9									6.0	4.4
NNW	1.7	2.0	.4	.0								4.1	4.7
VARBL												13.0	
CALM													
	13.4	25.9	32.5	12.8	2.1	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2349

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN ROGERS WDS
STATION NAME

40-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.1	1.0	.2								4.7	4.9
NNE	.4	1.5	1.0	.3								3.1	6.5
NE	1.5	3.9	7.3	7.4	1.2	.7						21.4	9.9
ENE	1.2	4.4	13.6	10.1	1.8	.1						31.3	10.1
E	1.5	3.3	7.4	4.2	1.1	.0						17.5	9.1
ESE	.3	.6	.7	.4	.0							2.0	7.7
SE	.3	.3	.4	.0								1.0	5.9
SSE	.3	.2	.0	.2								.6	6.3
S	.7	.5	.4	.3								1.8	6.6
SSW	.1	.1										.2	3.5
SW		.2	.2									.4	6.7
WSW	.1	.1	.0	.0								.3	5.1
W	.2	.0										.2	2.6
WNW	.4	.5	.1									.9	4.1
NW	1.0	2.2	.2									3.4	4.3
NNW	.8	1.0	.6	.2								2.6	5.4
VARBL													
CALM												8.4	
	10.1	20.6	33.1	23.2	4.2	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 2390

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHLVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
 STATION

HONOLULU OAHU/JOHN RODGERS WEAS
 STATION NAME

40-67
 YEARS

MAY
 MONTH

ALL WEATHER
 CLASS

0900-1100
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	9.0
NNE	.0	.2	.8	1.0	.2	.0	.0	.0	.0	.0	.0	2.2	11.0
NE	.2	.5	4.7	11.6	4.4	.4	.0	.0	.0	.0	.0	21.8	13.7
ENE	.1	.8	7.4	13.0	6.2	.8	.0	.0	.0	.0	.0	33.2	13.5
E	.4	1.1	6.5	9.5	2.8	.5	.0	.0	.0	.0	.0	20.7	12.1
ESE	.0	.5	.9	.6	.2	.1	.0	.0	.0	.0	.0	2.3	10.4
SE	.2	.3	1.0	1.3	.2	.0	.0	.0	.0	.0	.0	3.0	10.2
SSE	.2	.5	1.4	1.7	.2	.0	.0	.0	.0	.0	.0	4.0	10.4
S	.2	1.0	2.4	1.5	.0	.0	.0	.0	.0	.0	.0	5.3	9.2
SSW	.1	.2	1.7	.5	.0	.0	.0	.0	.0	.0	.0	2.5	9.4
SW	.0	.3	.5	.4	.0	.0	.0	.0	.0	.0	.0	1.2	9.1
WSW	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.0
W	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.5
NW	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.9
NNW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	8.7
VARBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0
	1.5	6.2	28.3	46.9	14.2	1.7	.0	.0	.0	.0	.0	100.0	12

TOTAL NUMBER OF OBSERVATIONS

2

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN ROGERS WDS
STATION NAME

40-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1	.7	.8	.0							1.6	10.7
NNE		.0	.7	1.1	.6							2.4	13.4
NE	.1	.2	4.0	12.4	2.2	1.1	.0					26.1	15.0
ENE		.2	4.5	18.9	11.3	1.6						36.5	15.1
E	.1	.5	3.5	6.1	3.0	.5						13.7	13.3
ESE		.1	.4	.3	.2	.2						1.1	13.6
SE		.2	1.0	1.8	.4							3.3	12.5
SSE	.0	.1	1.3	1.5	.3							3.2	11.7
S	.0	.5	2.4	1.0	.2							4.1	9.8
SSW	.0	.2	1.5	1.2	.1	.0						3.1	10.6
SW	.1	.3	1.2	.5	.0							2.2	9.2
WSW		.2	.2	.1	.0							.5	9.7
W	.1	.1	.2	.0								.5	7.6
WNW			.1	.0								.1	10.7
NW	.0	.1	.1	.0								.2	6.5
NNW		.1	.5	.1								.7	8.9
VARBL												.5	
CALM													
	.7	2.7	22.4	45.9	24.3	3.4	.0					100.0	13.6

TOTAL NUMBER OF OBSERVATIONS 2400

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WADS
STATION NAME

4-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.7	.7	.0							1.7	9.3
NNE	.1	.3	1.0	1.1	.3	.1						2.8	11.0
NE	.1	.6	5.2	14.5	7.3	.9	.0					25.6	14.3
ENE	.1	.4	5.5	21.4	10.8	1.0						39.7	14.5
E	.2	.6	3.8	6.5	2.2	.0						13.3	12.2
ESE	.0	.0	.4	.1	.1	.0						1.0	11.3
SE	.0	.3	.6	.7	.1							1.8	10.3
SSE	.2	.2	.9	.5	.1							1.9	9.5
S	.3	.3	1.9	.1	.1							2.0	8.5
SSW	.0	.8	1.0	.2	.0							2.0	7.9
SW	.1	.3	1.3	.3								2.0	8.3
WSW		.1	.3	.2								.0	8.9
W	.0	.1	.3									.4	7.2
WNW		.2	.3	.0								.5	7.2
NW	.0	.1	.2	.1								.4	7.8
NNW	.0	.1	.3									.5	7.7
VARBL													
CALM												.5	
	1.5	4.7	23.5	46.7	21.0	2.1	.0					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 7397

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGEPS WP45
STATION NAME

40-67
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.6	1.0	.7								2.3	6.6
NNE	.3	.6	1.6	.7	.1							3.3	8.5
NE	1.0	2.3	9.7	12.2	3.8	.2						29.1	11.5
ENE	.5	2.9	13.7	16.1	3.8	.2	.0					37.3	11.6
E	1.0	2.5	6.7	5.1	.9	.1						16.3	9.8
ESE	.2	.4	.6	.3								1.5	7.9
SE	.1	.3	.7									1.1	8.5
SSE	.1	.3	.1	.0	.0							.7	8.3
S	.2	.3	.5	.2	.0							1.2	7.4
SSW	.1	.4	.2									.7	6.1
SW	.1	.3	.1									.6	7.4
WSW	.0	.2	.3	.0								.6	7.3
W	.4	.3	.2									.9	4.6
WNW	.1	.0	.0									.2	4.0
NW	.1	.3	.2	.0								.6	5.7
NNW	.3	.3	.1	.0								.8	5.2
VARBL													
CALM												2.9	
	5.0	12.1	35.7	35.0	8.8	.5	.0					100.0	15.3

TOTAL NUMBER OF OBSERVATIONS

2350

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAIRY/JOHN RODGERS W645
STATION NAME

40-67
YEAR

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.6	.6	.0								3.8	4.4
NNE	.7	1.2	.7	.4								3.0	5.2
NE	1.1	4.8	8.1	7.3	1.4	.0						22.7	9.0
ENE	.7	4.8	10.6	13.3	1.5	.2						37.0	10.2
E	2.0	3.0	8.1	3.1	.6	.1						16.8	8.6
ESE	.1	.4	.4	.1								1.0	7.0
SE	.1	.2	.3	.1								.6	7.2
SSE		.0		.1	.0							.2	11.8
S	.1		.1	.2								.4	9.0
SSW		.1	.1									.2	6.3
SW		.0	.1									.1	7.1
WSW		.1	.0									.1	5.7
W	.1	.1	.0									.2	4.4
WNW	.3	.3	.0									.7	3.8
NW	.7	1.5	.5									2.8	4.7
NNW	.6	.8	.7	.0								2.1	5.3
VARBL													
CALM												6.1	
	0.1	18.0	36.4	24.7	3.4	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2332

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CAMU/JOHN RODGERS WGAS
STATION NAME

39-66
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	.4									3.4	4.2
NNE	.7	1.3	.7	.7								2.8	3.4
NE	1.4	4.0	8.6	4.7	.8							20.5	8.7
ENE	.9	6.8	17.8	11.3	1.7	.2						38.8	9.6
E	1.1	4.5	10.0	3.4	.5	.1						19.7	8.6
ESE	.1	.5	.7	.2								1.6	7.4
SE		.1	.0									.1	7.0
SSE			.2	.1								.3	9.9
S	.0			.0								.1	7.5
SSW													
SW													
WSW	.0											.0	3.0
W	.3	.2										.5	3.5
WNW	.3	.2	.0									.6	3.9
NW	1.4	1.0	.2									2.6	3.6
NNW	.8	.7	.1									1.6	3.9
VARBL													
CALM												7.7	
	8.6	21.7	38.9	14.8	3.0	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2290

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22421
STATION

HONOLULU OAHU/JOHN RUDGERS WEAS
STATION NAME

39-66
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.2	.3									5.0	3.8
NNE	1.1	1.6	.4									3.2	4.5
NE	1.3	5.3	9.4	4.4	.3	.0						20.9	8.3
ENE	1.3	7.5	17.5	8.9	.6							35.9	8.9
E	1.8	4.3	7.7	2.6	.1		.0					16.6	7.8
ESE	.0	.4	.6									1.0	6.9
SE	.1	.2	.1	.0								.4	6.5
SSE	.0		.2	.1								.3	10.4
S	.0			.0								.1	7.5
SSW													
SW													
WSW													
W	.0											.0	3.0
WNW	.3	.7	.0									.6	4.1
NW	2.1	2.0	.4									4.5	3.9
NNW	1.0	1.1	.1									2.3	3.7
VARBL													
CALM												9.1	
	11.8	24.9	36.9	16.2	1.1	.0	.0					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2301

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN ROGERS WEA
STATION NAME

39-66
YEARS

JUN
MONTH

0000-0000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.7	.4									2.3	4.1
NNE	.5	1.0	.4	.2								2.0	5.4
NE	1.1	4.3	6.3	6.6	1.0							21.3	9.5
ENE	.9	5.0	15.7	13.3	1.9	.1						36.8	10.1
E	1.6	4.2	8.9	6.8	1.2	.1						27.8	9.5
ESE	.7	.9	.8	.1								2.5	6.0
SE	.3	.2	.1	.0								.6	5.2
SSE	.0	.1	.1	.3								.6	4.3
S	.4	.3	.3	.2								1.1	6.2
SSW	.0	.0	.0	.0	.0							.2	4.2
SW	.1		.0									.2	4.3
WSW	.0											.0	3.0
W	.1	.1										.2	2.6
WNW	.2	.2										.4	3.6
NW	.9	.9	.1	.0								2.0	4.2
NNW	.8	.6	.0									1.5	3.4
VARBL													
CALM												5.5	
	8.9	18.3	35.4	27.6	4.2	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

2397

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-66 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0900-1100
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.3	.1	.0							.5	10.3
NNE		.1	.5	.4	.0							.9	10.5
NE	.2	.4	4.0	11.9	4.0	.4	.0					20.9	13.7
ENE	.1	.5	7.3	21.2	6.8	.7						36.8	13.5
E		1.3	8.7	12.3	4.3	.7						27.7	12.6
ESE	.2	.4	.8	.9	.2	.1						2.5	10.2
SE	.1	.4	.9	1.3	.1							2.7	10.0
SSE	.1	.2	.8	1.1	.3							2.5	11.6
S	.0	.8	1.2	.9	.1							3.0	9.3
SSW		.3	.5	.2								1.0	8.8
SW	.0	.1	.3	.1	.0							.6	8.9
WSW		.0	.0									.1	7.0
W	.1											.1	7.5
WNW													
NW	.0	.1	.1									.2	5.6
NNW			.1	.0								.1	10.0
VARBL													
CALM												.4	
	.9	4.7	25.6	50.2	15.1	1.8	.0					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 2392

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RIDGERS WNAS
STATION NAME

39-66
YEARS

JULY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.3	.4								.6	11.6
NNE		.	.5	.9	.2							1.0	12.2
NE			3.8	14.4	9.1	1.7						29.0	15.4
ENE		.0	5.0	19.8	12.0	1.3	.0					38.1	15.0
E	.1	.4	3.9	9.1	4.9	.7	.1					19.2	13.9
ESE	.1	.2	.6	.6	.3	.0						1.8	11.4
SE		.1	.6	1.0	.2	.0						2.0	11.9
SSE	.0	.0	.5	1.7	.7	.2						3.0	14.0
S	.0	.3	1.3	1.0	.2	.0						2.8	10.6
SSW		.1	.4	.4								.9	10.1
SW		.1	.2	.3	.0							.7	10.8
WSW		.1										.1	5.5
W													
WNW													
NW				.4								.0	13.0
NNW	.0	.0	.0	.0								.2	7.3
VARBL												.0	
CALM													
	.3	1.4	16.9	49.7	27.5	4.0	.1					100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 2396

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JCHN RODGERS W495
STATION NAME

39-66
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0		.3	.1	.1							.5	11.3
NNE		.1	.4	.4	.1	.1						1.0	12.1
NE	.0	.4	4.7	14.7	8.9	1.5						30.3	14.9
ENE		.2	5.3	25.3	11.1	1.2						43.0	14.7
E	.1	.6	3.8	7.8	3.3	.5						16.0	13.4
ESE		.1	.6	.5	.0							1.2	10.5
SE		.1	.6	.3		.0						1.0	10.6
SSE	.0	.0	1.0	.7	.1	.0						1.9	10.5
S	.1	.3	1.2	.4	.2							2.1	9.6
SSW	.0	.1	.5	.3								1.0	8.8
SW	.1	.1	.4	.3								.9	8.4
WSW	.0	.0		.1								.2	9.0
W	.0	.0	.1									.2	6.5
WNW			.0	.0								.1	11.5
NW	.1	.0	.0	.0								.2	8.8
NNW		.1	.0									.1	5.7
VARBL													
CALM												.1	
	.6	7.2	18.9	50.9	23.8	3.3						100.0	14.0

TOTAL NUMBER OF OBSERVATIONS

7395

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU DAHL/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1600-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.6									1.4	5.9
NNE	.1	.6	.7	.1	.0							1.5	7.5
NE	.3	2.0	8.1	11.8	3.9	.2						26.3	12.1
ENE	.3	2.3	15.0	21.7	4.6	.4						44.1	12.0
E	.3	2.1	9.6	5.7	1.2	.1						19.1	10.3
ESE		.3	.9	.3	.1							1.6	9.0
SE		.2	.3	.0								.5	7.7
SSE	.0	.4	.7	.0								1.2	7.3
S	.2	.2	.4	.1	.0							.9	8.0
SSW		.2	.3									.5	7.2
SW	.2	.0										.2	3.4
WSW		.0	.1									.1	7.7
W		.0	.1	.0								.2	8.0
WNW	.1											.1	3.0
NW	.1	.2										.3	4.2
NNW		.1	.1									.2	7.0
VARBL													
CALM												1.9	
	1.8	9.2	36.7	39.8	9.8	.3						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

2304

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAPU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.8	.1									1.5	3.9
NNE	1.0	.8	.7	.0								2.5	5.3
NE	1.4	3.8	8.9	7.5	1.4							22.0	9.8
ENE	.9	4.6	17.7	15.2	7.5	.2						41.5	10.3
E	1.6	3.9	10.4	4.7	1.3	.0						21.6	9.2
ESE	.3	.3	.7	.3								1.5	7.8
SE	.2	.1	.2									.5	5.8
SSE	.0	.0	.0									.1	5.0
S	.1	.0	.1	.1								.4	6.2
SSW													
SW	.0	.0										.1	3.0
WSW			.0									.0	9.0
W	.2											.2	2.6
WNW	.2	.0										.2	2.6
NW	.5	.3	.1									.9	3.7
NNW	.4	.2	.0									.7	3.5
VARBL													
CALM												4.9	
	7.5	15.2	39.1	27.8	5.2	.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

2489

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAHL/JOHN RODGERS WDAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.2									2.4	4.0
NNE	.5	.9	.6	.0								2.1	5.3
NE	1.7	6.6	10.0	6.0	.7	.2						25.3	8.7
ENE	.6	5.3	19.2	11.9	1.5	.2						39.6	9.7
E	.8	3.8	10.2	4.6	.9	.0						20.3	9.2
ESE	.1	.5	.4	.1	.0							1.4	7.4
SE			.0									.0	9.0
SSE	.0	.0										.1	4.5
S													
SSW													
SW													
WSW													
W	.1	.0										.2	3.3
WNW	.2	.1	.0									.3	3.7
NW	.9	1.0	.3									2.2	4.2
NNW	.3	.5	.2									1.1	4.4
VARBL													
CALM												5.1	
	6.5	20.8	41.2	22.7	3.1	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

2367

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU DAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.4	.5									4.3	3.9
NNE	1.0	1.2	.8	.1								3.0	5.3
NE	1.3	6.3	11.2	5.1	1.0	.0						25.0	8.7
ENE	1.0	8.4	18.3	8.5	.6	.2						36.9	8.8
E	1.3	3.5	7.9	2.9	.6							15.2	6.4
ESE	.2	.5	.5	.3								1.3	7.5
SE	.1	.1	.0		.0							.3	6.3
SSE													
S													
SSW													
SW	.0											.0	2.0
WSW	.1	.0										.1	3.3
W	.1											.1	2.3
WNW	.1	.3										.4	4.4
NW	1.2	1.7	.3									3.2	4.2
NNW	.9	1.1	.4									2.4	4.3
VARBL													
CALM												6.7	
	9.7	24.4	39.9	16.8	2.3	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

2375

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.6	.0		.0						2.9	5.2
NNE	.6	.9	.8									2.3	5.8
NE	1.9	4.2	10.6	8.0	1.1	.3						26.1	9.7
ENE	.9	4.8	17.5	11.8	1.9	.2						36.5	10.2
E	1.4	3.2	8.1	6.1	1.7	.1						20.7	9.9
ESE	.4	.6	.8	.4	.0							2.2	7.9
SE	.1	.2	.1	.1								.4	6.9
SSE	.1		.1									.2	6.2
S	.1	.1	.1									.2	5.7
SSW		.0		.0								.1	9.5
SW	.0	.0										.1	4.0
WSW	.0	.0										.1	3.0
W	.1	.2										.3	3.9
WNW	.2	.1										.4	3.2
NW	.6	1.1	.2									1.9	4.2
NNW	.4	.3	.2									1.0	4.5
VARBL													
CALM												4.7	
	7.5	16.9	39.0	26.5	4.8	.6						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2473

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.3	.2								.6	9.7
NNE	.0	.2	.8	.5	.1							1.7	10.2
NE	.0	.7	5.1	14.1	5.2	.5	.1					25.7	13.7
ENE		.4	6.1	21.6	7.9	1.3						39.7	13.7
E	.2	.9	7.5	10.3	4.6	.6	.0					24.2	12.8
ESE	.1	.2	1.0	.4	.2							1.9	10.2
SE	.1	.2	.4	.7	.1	.0						1.6	10.8
SSE	.0	.2	.5	.4	.1							1.3	9.8
S	.0	.2	1.2	.3								1.7	8.7
SSW		.1	.1									.2	6.7
SW		.0	.1	.0								.2	9.2
WSW	.0		.0									.1	5.0
W	.1											.1	2.5
WNW													
NW	.0		.2	.1								.3	9.3
NNW	.0	.0	.0		.0							.2	8.0
VARBL													
CALM												.6	
	.8	3.0	25.4	48.6	18.3	2.4	.1					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 2471

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WHAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4	.3	.1	.0						.9	12.0
NNE		.0	.7	.6	.2	.0						1.7	12.2
NE	.0	.3	4.0	16.2	9.7	1.8	.0					32.1	15.2
ENE		.0	3.4	22.1	12.1	2.5	.1					40.2	15.4
E	.1	.2	3.3	7.7	5.7	1.0						17.9	14.5
ESE		.1	.2	.5	.2							1.1	12.5
SE		.1	.4	1.0	.3	.0						1.7	13.3
SSE		.0	.5	.7	.2							1.4	12.0
S	.0	.1	.6	.7	.0							1.5	10.5
SSW		.1	.3	.1								.5	8.8
SW		.0	.3									.3	8.0
WSW			.1									.1	9.0
W		.0										.0	4.0
WNW													
NW			.1	.0								.2	8.8
NNW		.1	.1									.2	7.0
VARBL													
CALM												.2	
	.2	1.3	14.4	49.9	28.5	5.4	.1					100.0	14.8

TOTAL NUMBER OF OBSERVATIONS

2463

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAVID JOHN RODGERS MBAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.7	.2	.1							1.1	10.4
NNE	.1	.2	.6	.9	.2							2.1	11.4
NE		.4	5.1	16.7	9.3	1.7						33.1	14.9
ENE		.3	4.4	24.3	13.3	2.0						44.3	15.2
E	.1	.5	3.0	7.0	3.5	.8						14.9	13.7
ESE	.0		.2	.4	.1							.7	12.6
SE		.1	.3	.1								.5	9.5
SSE	.0	.1	.6	.2								.9	9.4
S	.0	.1	.5	.1								.7	8.2
SSW	.0	.1	.2	.0								.4	7.3
SW		.1	.3									.4	7.5
WSW													
W		.0										.0	5.0
WNW			.0	.0								.1	10.0
NW	.0	.1	.1									.2	5.1
NNW		.0	.0									.1	7.5
VARBL													
CALM												.4	
	.4	2.1	16.0	50.0	26.5	4.5						100.0	14.4

TOTAL NUMBER OF OBSERVATIONS

2473

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU CAHU/JOHN RODGERS WEAS
STATION NAME

79-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.3	.0								1.2	5.7
NNE		.3	.7	.2	.1							1.2	8.8
NE	.5	1.7	10.1	12.1	4.1	.4						29.3	12.2
ENE	.1	1.6	15.6	24.1	5.0	.4						46.8	12.2
E	.2	2.0	7.7	6.3	1.4	.3						17.6	10.7
ESE	.1	.3	.3	.2								.8	7.9
SE	.2	.0	.2									.4	5.7
SSE	.0	.0	.2									.3	7.6
S	.0	.1	.1									.2	5.0
SSW	.0	.0										.1	4.0
SW		.0	.0									.1	6.0
WSW													
W													
WNW	.1	.3	.0									.2	4.5
NW		.2	.0									.2	5.4
NNW		.0										.0	5.0
VARBL													
CALM												1.3	
	1.6	6.8	35.4	43.0	10.6	1.4						100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

2386

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU GAGU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.0	.3									1.4	5.1
NNE	.3	.5	.5	.2								1.4	6.5
NE	1.3	3.5	10.1	7.5	1.2	.1						23.9	9.8
ENE	.5	4.5	21.8	17.4	3.0	.3	.0					47.5	10.5
E	.7	2.8	9.6	5.3	1.4	.0						19.7	9.8
ESE	.1	.4	.7	.1								1.3	7.4
SE		.1	.0									.1	7.0
SSE		.0										.0	4.0
S													
SSW													
SW													
WSW													
W			.1									.1	9.0
WNW													
NW	.4	.4	.1									.9	4.0
NNW	.1	.2	.1									.5	5.0
VARBL													
CALM												3.1	
	4.0	13.0	43.4	30.5	5.6	.4	.0					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

2355

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WHAS
STATION NAME

39-48,50-60
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.8	.3									2.5	3.8
NNE	1.0	.5	.3	.1								2.3	4.7
NE	1.7	5.8	12.4	6.0	.7	.3						27.4	9.0
ENE	1.0	6.0	20.1	11.3	1.4							19.8	9.5
E	1.0	4.1	9.2	3.6	.6							18.5	8.7
ESE		.5	.8	.2	.0							1.5	8.0
SE	.0	.1	.2	.1	.1							.5	10.2
SSE													
S	.1		.1	.1	.0							.3	10.4
SSW													
SW			.1	.0								.2	8.3
WSW	.1											.1	3.0
W	.0			.0	.0							.1	11.3
WNW		.0		.0								.1	8.0
NW	1.0	.9	.3									2.2	4.7
NNW	.5	.4	.2									1.1	4.2
VARBL													
CALM												3.4	
	0.0	19.4	43.9	22.2	2.8	.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

2290

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WEAS
STATION NAME

39-48,50-66
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	.6		.0							4.3	4.8
NNE	1.1	1.6	.9	.1								3.9	5.2
NE	2.2	5.9	10.8	5.6	.7	.0						25.4	8.6
ENE	.8	6.7	18.1	11.0	1.1	.1						37.8	9.6
E	.9	3.6	7.6	3.0	.5							19.5	8.5
ESE	.1	.2	.6	.1	.1							1.1	8.0
SE	.0	.0	.1		.0							.3	8.7
SSE	.1			.1	.1							.3	11.2
S		.0	.1	.1								.3	10.0
SSW		.0										.0	5.0
SW	.1	.0	.0									.2	4.8
WSW	.1		.0	.1	.0							.3	9.7
W	.0											.0	3.0
WNW	.2	.1										.3	3.1
NW	1.7	1.7	.2									3.6	3.9
NNW	.8	1.1	.3									2.1	4.2
VARBL													
CALM												4.6	
	9.5	23.5	39.3	20.0	2.7	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

2290

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WDS
STATION NAME

39-48, 50-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0600
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	.5	.0								3.1	4.5
NNE	.5	1.0	.5	.2								2.3	6.1
NE	.8	3.9	11.5	8.2	1.3	.1						25.9	10.0
ENE	.8	5.1	14.7	14.1	1.9	.2						37.7	10.4
E	.8	2.9	8.5	6.0	1.1	.2						20.4	9.9
ESE	.3	.3	.8	.2	.1	.0						1.8	8.2
SE	.3	.4	.3	.1	.2							1.3	8.1
SSE	.2		.0	.1								.2	6.1
S	.1	.1	.1	.0								.3	6.9
SSW		.0										.0	5.0
SW		.0	.1									.1	7.3
WSW	.0					.1						.2	20.3
W	.0	.0										.1	3.3
WNW	.2	.1										.3	3.3
NW	1.2	1.0	.1									2.3	3.8
NNW	.6	.4	.1									1.2	3.9
VARBL													
CALM												2.8	
	7.1	16.7	39.2	29.0	4.6	.7						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 2380

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WEAS
STATION NAME

39-48, 50-60
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.3	.0								.5	7.2
NNE		.0	.6	.4								1.0	10.2
NE	.1	.5	4.8	13.5	6.0	.7						25.6	14.0
ENE	.0	.6	7.4	22.9	9.4	1.2	.0					41.8	14.0
E	.2	1.3	6.2	10.8	4.7	.4	.0					23.5	12.9
ESE	.0	.4	.6	.7	.3	.1	.0					2.1	11.4
SE	.0	.1	.3	.8	.1							1.3	12.0
SSE	.1	.3	.6	.7	.2							1.9	10.1
S	.0	.4	.9	.2	.0							1.6	8.1
SSW		.1	.1									.2	7.0
SW			.1									.1	8.0
WSW						.1	.0					.1	24.7
W													
WNW													
NW	.0	.0										.1	3.5
NNW	.0	.1										.1	4.0
VARBL													
CALM												.2	
	.7	4.2	21.9	49.9	20.6	2.4	.2					100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 2383

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CARL JOHN RODGERS WAS
STATION NAME

39-48, 50-60
YEARS

AUG
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED DIRECTION	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.3	.1								.4	9.1
NNE			.5	.6	.4							1.5	13.1
NE		.5	5.3	13.6	10.1	1.6	.1					29.1	15.5
ENE		.2	5.3	22.6	15.8	2.9	.1					44.9	15.8
E		.2	3.4	6.4	4.9	.9						17.7	14.5
ESE		.1	.6	.3	.3		.1		.0			1.0	15.8
SE		.6	.2	.0	.2							1.4	12.8
SSE		.0	.8	.7	.2							1.7	11.3
S		.2	.7	.4	.1							1.3	10.7
SSW			.1		.1							.2	12.4
SW	.0	.1	.3		.0							.5	8.5
WSW			.0	.1								.1	12.0
W	.0											.0	3.0
WNW													
NW	.0											.0	3.0
NNW			.0									.0	8.0
VARBL													
CALM												.1	
	.2	1.2	13.2	47.5	32.0	5.5	.3		.0			100.0	15.1

TOTAL NUMBER OF OBSERVATIONS 2387

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAHL/JOHN RODGERS WEAS
STATION NAME

39-48,50-66
YEARS

AUG
MONTH

ALL WEATHER

CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.2	.1								.4	9.6
NNE	.0	.1	.3	.8	.3							1.5	12.8
NE	.0	.4	4.6	16.2	10.0	1.3	.1					32.6	14.9
ENE	.0	.3	4.3	25.1	14.3	1.8	.0					45.9	15.1
E		.3	3.2	7.5	3.3	.3						14.6	13.8
ESE		.1	.2	.3	.3		.0					.9	13.7
SE		.2	.5	.3	.0		.0					1.0	10.4
SSE		.0	.5	.3	.0							.8	10.4
S		.2	.5	.3	.1							1.0	9.5
SSW		.0	.3		.0	.0						.4	10.9
SW		.0	.1		.0							.2	10.0
WSW			.1	.3								.4	11.5
W		.0										.0	6.0
WNW	.0											.0	3.0
NW													
NNW		.0										.0	4.0
VARBL													
CALM												.3	
	.2	1.8	14.8	50.9	26.4	3.5	.2					100.0	14.6

TOTAL NUMBER OF OBSERVATIONS

2384

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48, 50-65
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.0		.0							.8	5.3
NNE	.0	.6	.5	.7	.0							1.2	8.2
NE	.2	2.4	9.4	13.0	3.9	.3						29.2	12.0
ENE	.2	2.1	17.1	23.7	4.9	.5						48.5	11.9
E	.5	1.3	8.2	5.4	1.0	.0						16.5	10.4
ESE		.1	.6	.2	.0							.9	9.5
SE		.1	.5	.0		.0	.0	.0				.8	11.7
SSE		.0	.2	.1								.3	9.4
S			.1	.1	.1							.3	13.3
SSW		.0										.0	4.0
SW	.0											.0	2.0
WSW		.0	.0									.1	7.0
W	.0											.0	3.0
WNW		.0	.0									.1	5.5
NW	.0	.1	.0									.2	5.3
NNW	.0	.0										.1	3.5
VARBL													
CALM												.9	
	1.3	7.4	36.7	42.6	10.0	.8	.0	.0				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

2299

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 20801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48,50-66
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.2	.0								1.1	4.9
NNE	.6	.7	.5	.1								1.9	5.7
NE	1.0	3.7	11.6	9.1	1.2	.1	.0					26.8	10.1
ENE	.6	3.8	21.3	17.5	2.7	.1						46.0	10.6
E	.4	3.3	9.0	5.3	.8							19.0	7.6
ESE	.1	.5	.7	.1								1.4	7.4
SE	.0		.2	.1		.0	.1					.4	15.1
SSE	.0	.1	.1	.0								.3	7.7
S			.1	.1	.0							.2	13.2
SSW													
SW				.1								.1	13.0
WSW													
W	.1											.1	3.0
WNW	.1											.1	3.0
NW	.3	.1	.1									.5	4.1
NNW	.2	.2	.0									.4	4.7
VARBL													
CALM												1.7	
	3.9	12.9	43.8	32.5	4.8	.3	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

2286

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CANU/JOHN RODGERS WBAS
STATION NAME

39-48,50-66
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.8	.5									6.0	4.0
NNE	1.2	2.7	.9	.0								4.7	4.9
NE	1.9	6.6	10.2	4.9	.4							24.0	8.1
ENE	1.4	7.1	15.9	7.1	.5	.0						32.0	8.7
E	1.0	3.1	7.2	2.1	.4							13.7	8.3
ESE	.0	.5	.4	.1	.0							1.0	7.3
SE	.2	.2	.0									.4	4.2
SSE		.0										.0	5.0
S		.0	.2	.3								.5	10.7
SSW		.0	.1									.1	6.3
SW		.0	.0									.1	6.0
WSW	.0											.0	2.0
W	.2	.3										.5	3.9
WNW	.2	.0										.2	3.0
NW	2.1	2.7	.5									5.3	4.2
NNW	1.4	1.8	.3									3.5	4.2
VARBL													
CALM												7.8	
	26.2	27.9	36.1	14.5	1.4	.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2219

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48, 50-66
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.6	.6									7.4	4.0
NNE	2.5	2.5	.5	.0								5.6	4.1
NE	2.3	7.2	8.8	4.2	.3							22.9	7.8
ENE	1.7	6.4	14.5	5.3	.7							28.5	8.5
E	.9	2.8	5.8	1.7	.2							11.3	7.9
ESE	.3	.2	.3	.2								.9	6.7
SE	.0	.1	.0									.2	5.5
SSE				.0								.0	14.0
S		.1	.2	.2								.5	10.1
SSW		.0	.0	.0								.1	8.0
SW	.0	.0										.1	3.5
WSW	.0	.0										.1	3.0
W	.2	.1										.3	3.5
WNW	.8	.3										1.1	3.0
NW	2.7	3.4	.8									6.8	4.2
NNW	1.4	2.8	.3									4.5	4.1
VARBL													
CALM												9.6	
	16.1	29.6	31.9	11.8	1.2							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

2219

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 24801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22521 HONOLULU CAHU/JOHN RODGERS WBS STATION NAME 39-48, 50-66 YEARS SEP MONTH 0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.8	.6									5.1	4.4
NNE	1.3	2.0	.6	.0								4.0	4.9
NE	1.9	5.2	8.9	4.9	.7							21.5	8.7
ENE	1.1	5.8	14.1	9.7	1.1	.1						31.9	9.6
E	1.2	2.3	7.5	4.3	.6	.0						15.9	9.3
ESE	.5	.5	.7	.4	.0							2.2	7.5
SE	.4	.2	.2	.1			.0					1.0	6.7
SSE	.5	.0	.1	.1								.8	4.9
S	.4	.1	.3	.0								.8	4.9
SSW			.0									.0	7.0
SW	.0	.1										.1	4.3
WSW	.0	.0										.1	3.5
W	.3	.2	.1									.5	4.0
WNW	.6	.4										1.0	3.5
NW	2.3	2.0	.2									4.7	3.9
NNW	1.4	1.8	.3									3.5	4.1
VARBL													
CALM												6.6	
	13.6	23.4	33.8	19.7	2.5	.1	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2308

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU DAHU/JOHN RODGERS W&AS
STATION NAME

39-48, 50-66
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.3	.8	.1								1.2	8.4
NNE	.1	.2	.7	.3	.0							1.6	9.3
NE	.1	.4	5.3	12.0	2.9	.3						21.1	13.0
ENE	.0	1.0	8.6	18.0	6.5	.5						34.8	13.2
E	.3	1.1	6.4	9.3	2.9	.3						20.3	12.3
ESE	.2	.6	.9	.7	.2	.1						2.6	9.7
SE	.2	.8	1.0	1.4	.3							3.8	10.1
SSE	.1	1.0	2.4	1.5	.3							5.3	9.4
S	.3	1.4	4.1	1.0								6.8	8.2
SSW		.0	.7		.0							.8	8.9
SW	.1	.0	.1	.0								.3	6.7
WSW			.0	.0								.1	10.0
W	.0	.0										.1	4.0
WNW		.1										.1	4.5
NW			.1	.0								.1	10.0
NNW	.1	.2	.0									.3	4.4
VARBL													
CALM												.8	
	1.7	7.1	31.4	44.7	13.2	1.2						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

2309

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CAHU/JOHN RODGERS WEAS
STATION NAME

39-48, 50-66
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.9	.6	.0							1.6	10.4
NNE		.0	1.0	1.0	.1							2.2	11.5
NE		.2	4.2	14.1	6.9	.6						26.0	14.6
ENE		.5	4.6	20.6	10.8	.8						37.2	14.7
E	.0	.3	3.0	6.9	3.3	.7						14.3	13.7
ESE		.2	.3	.7	.0	.0						1.4	11.4
SE	.0	.0	1.3	1.8	.5	.1						3.8	12.7
SSE	.0	.2	1.8	1.7	.4							4.2	11.3
S	.1	.5	3.4	1.1	.1							5.3	9.3
SSW		.0	1.0	.6								1.7	10.3
SW		.0	.7	.2								1.0	9.5
WSW			.0	.2								.2	12.4
W	.0		.1	.0								.2	9.6
WNW			.0									.0	8.0
NW		.0	.1									.2	7.3
NNW	.0	.1	.1	.0								.3	7.4
VARBL													
CALM												.4	
	.3	2.4	22.9	49.6	22.2	2.1						100.0	13.6

TOTAL NUMBER OF OBSERVATIONS

2305

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48, 50-64
YEARS

SFP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 5	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.7	.5								1.6	8.8
NNE		.4	1.1	1.3	.2							3.1	10.9
NE	.0	.5	5.5	16.6	6.3	.8						29.8	14.0
ENE	.2	.2	5.7	23.0	10.6	.6						40.2	14.3
E	.0	.3	4.3	5.2	2.3	.3						12.5	12.7
ESE	.0		.1	.2	.1							.5	11.5
SE	.0	.2	.6	.5	.1							1.6	10.6
SSE		.3	.8	.5	.1							1.3	10.0
S	.1	.6	2.6	.4								3.7	8.4
SSW		.4	1.0	.1								1.6	7.8
SW		.5	.8	.1								1.4	7.8
WSW		.1	.2	.1								.3	8.9
W		.1	.3									.4	7.0
WNW	.1	.1										.2	3.8
NW	.0	.2	.2	.2								.6	8.7
NNW	.0		.1									.1	5.7
VARBL													
CALM												.6	
	.8	4.3	24.1	48.7	19.7	1.7						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

2310

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU DAHU/JOHN RODGERS W8A5
STATION NAME

39-48, 50-66
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	.5									2.5	4.7
NNE	.6	1.1	1.1	.5								3.3	7.0
NE	1.2	2.7	10.7	10.9	2.2	.3						28.0	10.6
ENE	.5	3.7	17.6	15.9	3.2	.4						41.3	10.9
E	.2	2.1	8.0	3.9	1.0	.0						15.2	10.0
ESE	.1	.3	.6	.3	.0							1.3	7.9
SE	.1	.4	.3	.1								.9	6.8
SSE	.1	.2	.0	.0	.0							.4	7.4
S	.2	.8	.2	.2	.0							1.4	6.4
SSW	.0	.2	.1									.4	5.9
SW	.0	.3	.0									.4	5.1
WSW		.1										.1	4.7
W	.1	.3	.0									.5	4.5
WNW			.1									.1	8.0
NW	.5	.4	.2									1.2	4.5
NNW	.2	.3	.0									.5	5.0
VARBL													
CALM												2.4	
	4.9	14.0	39.6	31.8	6.5	.7						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2230

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WDS
STATION NAME

39-48,50-60
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	.4									3.4	4.2
NNE	.9	1.4	.4		.0							2.9	5.2
NE	1.6	5.3	9.9	6.6	1.3							24.9	9.1
ENE	.6	6.5	17.9	11.0	1.6	.0						37.8	9.6
E	.6	3.5	6.2	3.7	.6							16.7	9.0
ESE	.2	.4	.5		.0							1.1	6.4
SE	.0	.1	.2	.1								.5	7.4
SSE	.0	.0		.1								.2	10.0
S		.1	.2	.1	.0							.5	10.2
SSW			.1									.1	8.5
SW		.0										.0	5.0
WSW													
W	.2	.0	.0									.3	3.7
WNW	.2	.3										.5	4.0
NW	1.8	1.3	.4									3.4	3.8
NNW	.9	.6	.1									1.8	3.8
VARBL													
CALM												5.9	
	8.7	21.7	38.3	21.9	3.6	.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

2218

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48, 50-66
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.3	.6	.1								8.4	4.1
NNE	1.8	2.2	.6		.0	.0						4.7	4.5
NE	2.0	6.5	7.5	4.6	.4	.1						21.1	8.3
ENE	1.3	5.3	12.7	7.0	1.2	.1	.0					27.6	9.3
E	.7	2.9	6.3	2.5	.2							12.8	8.6
ESE	.3	.5	.7	.1		.1	.0					1.7	7.9
SE	.0	.2	.3	.1	.1							.7	8.8
SSE		.1	.1	.3	.1							.6	12.3
S	.1	.1	.2	.2								.5	9.1
SSW	.0	.0	.1	.1								.3	8.3
SW		.0	.2									.2	7.2
WSW													
W	.2	.2										.4	3.9
WNW	.3	.4	.1									.8	4.6
NW	2.9	3.2	1.0		.0							7.2	4.3
NNW	1.6	2.8	.5									4.4	4.5
VARBL												7.8	
CALM													
	14.6	28.8	31.3	15.1	2.1	.3	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2286

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WEAS
STATION NAME

39-48, 50-60
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.9	.7	.1								9.0	4.2
NNE	1.6	2.9	1.0	.1								5.8	4.9
NE	2.9	5.6	7.1	4.1	.5	.1						20.4	8.0
ENE	1.0	5.2	11.1	5.3	.7	.0						23.4	8.8
E	.9	1.2	5.3	2.6	.3	.1						10.3	9.2
ESE	.0	.3	.6	.1	.0		.0					1.2	8.6
SE	.0	.2	.1	.2	.1							.7	9.6
SSE	.1	.0	.1	.2	.0	.0						.6	11.1
S	.0		.1	.3	.1							.7	13.0
SSW		.0	.1	.1								.3	10.2
SW	.0	.1	.2	.0								.4	7.1
WSW	.0	.2										.2	4.0
W	.3	.3	.0									.7	4.3
WNW	.7	.8	.1	.0								1.6	4.2
NW	3.3	3.7	1.3	.0								8.4	4.5
NNW	2.8	3.3	.7	.0								6.8	4.3
VARBL													
CALM												9.6	
	17.3	29.0	26.3	13.4	1.9	.3	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

2296

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48, 50-66
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.6	1.0	.1								7.5	4.6
NNE	1.6	2.0	.8	.3	.0							4.7	5.3
NE	2.0	4.7	8.0	5.2	1.2							21.1	9.0
ENE	1.2	4.9	11.3	7.6	1.2	.1						26.4	9.5
E	1.0	2.3	6.0	3.6	.8	.1						13.8	9.5
ESE	.4	.3	.6	.4								1.6	7.7
SE	.3	.3	.7	.4								1.7	8.0
SSE	.4	.2	.1	.2	.0							.8	6.4
S	.5	.2	.3	.2	.1							1.3	7.3
SSW	.1	.1	.0	.1								.3	7.1
SW	.1	.1	.1	.0								.3	6.1
WSW	.0											.0	3.0
W	.5	.3	.2									1.0	4.4
WNW	.6	.5	.1									1.2	3.9
NW	2.6	3.4	.8	.0								6.8	4.3
NNW	1.7	2.1	.8	.1								4.6	4.6
VARBL													
CALM												6.8	
	15.6	24.9	30.9	18.2	3.4	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2385

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

39-48, 50-65
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.8	.9	.4								2.4	8.0
NNE	.1	.6	.9	.8	.2							2.5	9.5
NE	.2	1.1	6.0	9.6	3.0	.5						20.3	12.7
ENE	.0	.9	8.3	15.9	5.1	1.0						31.2	13.1
E	.2	.9	4.8	7.8	2.7	.3						16.7	12.5
ESE	.1	.5	.8	.8	.3							2.6	10.6
SE	.7	.8	1.8	2.3	.0							5.5	9.4
SSE	.3	1.3	1.9	.8	.1							4.3	8.0
S	.4	2.5	2.9	1.3								7.1	7.7
SSW		.4	1.2	.3								1.8	6.4
SW	.0	.3	.9	.2								1.4	6.0
WSW	.0	.2	.2									.4	6.3
W	.2	.3	.2	.0								.7	5.7
WNW	.1	.1	.1	.1								.4	7.4
NW	.1	.2	.5	.0								.8	7.0
NNW	.1	.2	.2	.0								.5	6.7
VARBL													
CALM												1.0	
	2.8	11.0	31.5	40.4	11.4	1.8						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

2384

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS PRAS
STATION NAME

39-48, 50-66
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.8	.7	.0							2.1	9.5
NNE		.3	.7	1.1	.3	.0						2.4	11.3
NE	.1	.3	4.2	13.2	5.7	.7						24.3	14.3
ENE	.1	.1	5.3	18.1	7.1	1.1						31.7	14.3
E	.1	.3	2.7	7.3	3.0	.5						14.0	13.8
ESE		.0	.4	.5	.0							1.0	10.7
SE	.1	.3	2.0	3.2	.4							5.9	11.7
SSE	.0	.2	2.4	2.2	.2							5.0	11.0
S	.1	.9	3.4	1.6								6.1	9.2
SSW	.0	.2	1.9	.9	.0							3.1	9.8
SW	.1	.3	.8	.9	.0							2.0	9.9
WSW		.1	.3	.4	.0							.9	10.5
W		.1	.2									.3	7.7
WNW			.0									.0	7.0
NW	.1	.1	.3	.1								.6	7.7
NNW	.0	.0	.3		.0							.4	7.9
VARBL													
CALM												.3	
	.9	3.5	25.8	50.2	16.9	2.4						100.0	13.0

TOTAL NUMBER OF OBSERVATIONS

2379

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CAHU/JOHN RODGERS WNAS
STATION NAME

39-48, 50-60
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.6	1.4	.4								2.6	6.0
NNE	.0	.3	1.1	1.1	.2							2.7	10.5
NE	.3	1.1	7.8	13.9	4.4	.7						28.3	13.0
ENE	.2	1.0	7.6	18.9	6.0	.4						34.1	13.2
E		.4	3.6	5.0	1.8	.4						11.2	12.6
ESE		.7	.6	.2	.1	.0						1.2	9.7
SE	.2	.4	1.6	1.5	.2							3.9	10.2
SSE	.2	.4	1.8	.7	.2							3.4	9.2
S	.2	1.3	2.2	.4								4.1	7.5
SSW	.3	.5	1.0	.2								2.0	7.5
SW	.1	.5	1.7	.3	.0							2.5	8.1
WSW	.1	.1	.5	.3	.0							1.1	9.3
W	.0	.2	.3	.1								.6	7.6
WNW	.0	.1	.1									.3	5.2
NW	.0	.3	.3	.2								.8	8.0
NNW	.1	.2	.3	.2								.7	8.0
VARBL													
CALM												.6	
	1.8	7.7	32.0	43.4	12.9	1.6						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

2384

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48, 50-60
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.5	.4								5.2	5.6
NNE	.8	2.0	1.3	.4								4.6	6.1
NE	1.4	4.4	9.8	8.6	1.7	.1						26.0	10.1
ENE	1.2	4.3	15.1	12.2	1.9	.2						34.9	10.3
E	.3	2.3	6.6	3.9	1.4	.1						14.5	10.1
ESE	.3	.3	.6	.1	.1							1.3	8.0
SE	.1	.3	.7	.3								1.5	8.3
SSE		.2	.4	.2								.8	8.7
S	.2	.5	.7	.3								1.6	7.3
SSW	.1	.3	.2	.1								.6	6.1
SW	.1	.6	.1	.0								.8	5.4
WSW	.1	.4	.1	.1								.7	6.7
W	.3	.2	.2	.0								.8	5.5
WNW	.1	.3	.2									.6	5.3
NW	.5	.8	.6									1.9	5.3
NNW	.3	.6	.4	.0								1.4	5.5
VARBL													
CALM												2.6	
	7.4	19.1	38.4	26.7	5.1	.4						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2324

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48,50-66
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.6	.8	.1		.0						5.7	4.5
NNE	1.7	1.7	.7									4.0	4.6
NE	2.1	5.0	8.0	6.4	.8	.1						22.5	9.0
ENE	1.6	6.3	15.1	8.3	1.3	.3						32.8	9.3
E	.8	2.4	7.3	3.7	.4	.1						14.8	9.3
ESE	.1	.6	.6									1.3	6.9
SE	.2	.2	.2	.2		.1						.9	10.5
SSE			.2	.2	.0							.5	11.8
S	.0	.1	.2	.2								.5	8.7
SSW		.0	.1									.2	7.8
SW	.0	.0		.1								.2	9.0
WSW	.1		.1	.0								.3	6.7
W	.1	.3	.0									.5	4.5
WNW	.3	.4		.0								.7	4.0
NW	1.7	2.3	.5	.0								4.5	4.3
NNW	1.5	2.0	.7	.0								4.2	4.7
VARBL													
CALM												6.4	
	12.4	24.0	34.6	19.3	2.6	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

2287

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN ROGERS WBAS
STATION NAME

39-66
YEARS

NGV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	4.9	1.1	.0								9.8	4.2
NNE	1.7	2.0	.7	.2	.1							4.7	5.2
NE	2.1	5.1	6.1	3.4	.6	.3						17.6	8.3
ENE	1.3	4.8	11.1	8.9	1.5	.4	.0					26.2	10.0
E	.8	2.0	4.0	2.5	.5							9.8	9.1
ESE	.1	.2	.4	.3								1.0	7.8
SE	.1	.0	.1	.3	.1		.0					.7	12.3
SSE		.2	.4	.3	.1	.0	.0					1.1	12.0
S	.1	.1	.5	.3	.2							1.3	10.5
SSW	.0	.0	.0	.2								.3	9.6
SW		.1	.1	.0								.2	7.6
WSW	.1	.0	.0									.2	3.4
W	.2	.2	.0									.4	4.2
WNW	.4	.7	.2	.1								1.3	5.0
NW	4.2	3.6	1.3	.0								9.1	4.3
NNW	2.1	2.7	.4									5.2	4.1
VARBL													
CALM												9.1	
	17.6	26.2	26.5	16.6	3.1	.8	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2294

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU GAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0900
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	5.2	1.2	.2	.0							10.2	4.7
NNE	1.7	2.2	.7	.1								4.7	4.7
NE	2.8	4.4	5.8	2.7	.7	.2						16.5	8.0
ENE	1.2	5.0	11.4	7.3	1.7	.3	.0					26.9	9.8
E	.6	2.2	3.9	2.2	.3	.1						9.3	9.0
ESE	.2	.3	.4	.3	.0							1.2	8.1
SE	.0	.2	.2	.0								.5	6.8
SSE	.0	.0	.3	.6	.1	.1	.0					1.3	13.7
S		.0	.1	.6	.2							.9	12.7
SSW	.0		.0	.0								.1	9.0
SW	.0	.1	.0	.2								.3	9.3
WSW	.0											.0	2.0
W	.3	.1										.4	3.3
WNW	.2	.4	.2									.8	4.8
NW	4.1	4.7	1.4	.0		.0						10.4	4.5
NNW	1.6	3.8	.7	.2								6.3	4.8
VARBL													
CALM												10.1	
	16.6	28.7	26.4	14.4	3.2	.7	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2298

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RUDGERS WBAS
STATION NAME

39-66
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.6	1.3	.3								0.2	4.8
NNE	1.5	2.3	1.0	.5		.1						5.4	5.9
NE	2.3	3.6	5.9	3.4	1.0	.0						18.1	9.1
ENE	.8	3.4	9.1	9.3	2.3	.4	.0					25.4	10.9
E	.9	2.2	3.5	3.4	.7							10.7	9.5
ESE	.4	.5	.6	.4	.0	.1						2.1	8.5
SE	.2	.1	.5	.0	.0	.0						.9	8.0
SSE	.1	.1	.3	.2	.3	.2						1.2	13.1
S	.1	.1	.3	.1	.1							.8	9.7
SSW	.1	.0	.1	.2	.0							.5	10.5
SW	.1			.0								.1	6.7
WSW	.1			.0								.2	5.0
W	.5	.4	.0									1.0	3.7
WNW	.6	.6	.1									1.3	3.6
NW	4.3	4.1	1.4	.1								9.9	4.3
NNW	2.1	2.6	.5	.0	.0							5.3	4.4
VARBL													
CALM												9.0	
	17.0	23.7	24.6	20.1	4.6	.8	.0					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

2388

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	1.2	.5	.1							3.3	7.4
NNE	.2	.4	1.3	.5	.2							7.8	9.2
NE	.5	1.0	5.2	7.7	2.4	.5						17.3	12.3
ENE	.3	.8	7.2	16.2	5.9	.8	.0					31.3	13.4
E	.3	1.1	4.0	6.8	2.5	.2						14.9	12.3
ESE	.3	.5	.9	.5	.1							2.4	8.9
SE	.8	.6	1.9	.8	.3	.0	.0					4.4	8.7
SSE	.8	1.5	2.0	1.1	.2	.3	.0					9.8	8.8
S	1.0	1.9	3.0	.7	.0	.0						6.6	7.2
SSW	.3	.8	.8	.2	.1							2.2	7.5
SW	.3	.4	.9	.2								1.8	7.4
WSW		.1	.2	.0								.3	7.6
W	.4	.1	.1									.6	4.1
WNW	.3	.1	.0									.4	3.7
NW	.4	.5	.5	.3								1.7	6.4
NNW	.3	.3	.3	.3								1.0	7.5
VARBL													
CALM												3.1	
	6.9	11.0	25.4	35.8	11.8	1.9	.1					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 2394

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CAHU/JOHN RODGERS KRAS
STATION NAME

34-66
YEARS

NDV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.9	.8	.1	.0						2.3	9.6
NNE	.1	.3	1.2	1.3	.1							2.9	10.9
NE	.2	.6	4.8	10.6	4.8	.7						21.7	13.7
ENE	.1	.8	5.3	17.9	7.7	1.6	.2					33.4	14.5
E		.3	2.5	4.7	1.7	.2						9.4	13.1
ESE			.7	.3	.0	.1						1.2	11.8
SE	.2	.5	1.4	2.5	.4	.0	.0					5.1	11.4
SSE	.1	.7	3.1	2.3	.3	.0						6.5	9.9
S	.3	1.5	4.6	1.4	.0	.0						7.9	8.5
SSW	.1	.7	2.2	.7	.0							3.8	8.9
SW	.1	.3	1.3	.3								2.2	9.3
WSW		.1	.2	.2								.5	10.1
W	.0	.2	.1									.4	5.7
WNW	.0	.0		.0								.1	6.7
NW		.4	.8	.9		.0						1.8	9.7
NNW	.0	.0	.2	.1								.4	8.6
VARBL													
CALM												.4	
	1.3	6.9	29.3	43.8	15.2	2.8	.2					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 2392

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS HBAS
STATION NAME

39-66
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	1.4	.5	.1							3.2	8.2
NNE	.1	.5	1.4	1.6	.1							3.7	10.1
NE	.6	1.5	6.6	9.9	3.3	.4						22.3	12.3
ENE	.3	1.4	9.0	18.8	5.0	.9	.1					35.4	13.0
E	.2	.9	3.7	4.2	1.6	.1						10.7	11.8
ESE		.3	.3	.1	.1							.8	9.3
SE	.3	.8	1.2	1.0	.1	.1						3.5	9.7
SSE	.3	.7	1.6	.8	.3							3.6	8.9
S	.9	1.5	2.3	.4	.1							5.1	6.8
SSW	.4	.7	1.5	.3								3.0	7.3
SW	.4	.9	1.3	.4								3.0	7.4
WSW	.1	.3	.6	.2								1.1	8.4
W	.2	.2	.0	.1	.0							.8	7.1
WNW			.1									.1	7.5
NW	.2	.4	.3	.4	.1							1.4	6.8
NNW	.1	.2	.5	.2	.1							1.1	6.6
VARBL													
CALM												1.3	
	4.3	11.1	31.8	38.9	10.9	1.5	.1					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

2396

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS W6AS
STATION NAME

39-66
YEARS

NDV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.4	1.6	.2	.0							6.6	5.2
NNE	.9	2.1	1.4	.5		.0						5.0	6.3
NE	3.0	4.2	8.5	6.7	1.5	.2	.0					24.1	9.2
ENE	1.2	4.4	12.6	11.7	2.9	.6	.0					33.4	10.7
E	.6	2.0	4.5	2.7	.5	.1						10.4	9.4
ESE	.2	.2	.8	.1								1.2	7.4
SE	.3	.5	.3	.0	.2	.1						1.4	6.8
SSE	.1	.5	.6	.3	.1	.0						1.7	8.7
S	.4	.4	.5	.3	.1							1.8	8.1
SSW	.3	.3	.3	.1								1.0	6.3
SW	.0	.4	.2	.1								.7	6.9
WSW	.0	.1	.1	.1								.3	7.4
W	.3	.2	.3	.0								.9	5.5
WNW	.1	.2	.1	.0								.4	6.1
NW	.8	1.6	.9									3.3	5.2
NNW	.6	.6	.6	.2								2.0	6.1
VARBL													
CALM												6.0	
	11.1	20.2	33.1	23.1	5.4	1.0	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 2342

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN ROGERS WEAS
STATION NAME

39-66
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.1	1.3	.7								9.3	4.6
NNE	1.2	1.9	.8	.3		.0						4.3	5.5
NE	1.9	4.4	5.4	4.2	1.1	.2	.0		.0			17.4	9.2
ENE	1.1	4.4	11.6	10.4	2.7	.5	.3					31.5	10.6
E	.7	2.6	4.5	3.3	.8	.0						11.9	9.5
ESE	.3	.5	.4	.1								1.3	6.1
SE	.3	.1	.2				.1					.7	9.6
SSE	.1	.1	.3	.3	.2	.2						1.2	12.7
S		.1	.3	.4	.0							.8	11.3
SSW			.1									.1	7.5
SW	.1	.1	.1	.1	.0							.6	7.5
WSW	.0											.0	1.0
W	.4	.1	.1									.7	3.9
WNW	.4	.3	.1									.7	4.2
NW	3.6	3.0	1.0									7.6	4.2
NNW	1.0	1.7	.7	.0								3.4	4.8
VARBL													
CALM												8.6	
	14.9	23.9	26.7	14.6	4.9	1.0	.4		.0			100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

2306

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 26801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	4.3	1.9	.3	.1							9.3	5.2
NNE	1.5	2.4	1.2	.3								5.4	5.4
NE	1.9	4.1	6.0	4.4	1.3	.1		.0				18.0	9.3
ENE	.8	3.0	7.3	6.9	2.0	.4	.1					11.3	10.4
E	.7	2.3	4.3	3.2	.8	.1						11.4	9.6
ESE	.1	.4	.5	.2	.0							1.2	8.0
SE	.1	.3	.2	.4	.1	.2						1.4	11.8
SSE		.1	.5	.7	.0	.0						1.4	11.7
S		.2	.7	.5	.2							1.6	11.0
SSW			.3	.4	.0							.7	12.1
SW	.0	.0	.0	.2	.0							.4	11.1
WSW		.0	.1	.2	.0	.0						.4	13.4
W	.5	.3	.3	.1								1.4	5.3
WNW	.4	1.0	.1	.0								1.5	4.4
NW	4.0	4.0	1.4	.2								9.5	4.4
NNW	2.2	3.7	1.4	.3	.1							7.6	5.2
VARBL													
CALM												7.5	
	15.2	26.9	26.2	18.3	4.8	1.1	.1	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2368

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WRAS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	5.5	1.4	.4								10.6	4.8
NNE	2.1	2.7	1.4	.5		.0						6.8	5.7
NE	2.2	4.2	6.7	4.3	1.1	.4	.1	.0				19.0	9.1
ENE	.9	3.3	7.3	5.8	1.8	.4						19.5	10.4
E	.5	1.7	4.1	2.7	.9	.1						10.0	9.9
ESE	.2	.2	.7	.3	.0							1.5	8.3
SE	.0	.2	.3	.1	.2	.1						.9	11.3
SSE	.1	.0	.5	.2	.3							1.9	12.4
S	.1		.5	.8	.0							1.4	11.1
SSW		.2	.3	.3								.8	9.5
SW	.0		.3	.0	.0	.1						.5	11.8
WSW	.1	.1	.0	.3	.0	.0						.6	11.0
W	.4	.4	.3	.3								1.4	6.8
WNW	.5	.8	.1	.0								1.5	4.5
NW	3.1	3.9	1.6	.2								8.8	4.8
NNW	1.9	3.3	.4	.3								7.0	5.2
VARBL													
CALM												7.9	
	15.6	26.5	27.1	17.1	4.4	1.1	.1	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

2368

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WRAS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0600-0300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.0	1.3	.2								8.5	4.8
NNE	1.7	2.5	.9	.2	.1	.0						5.5	3.4
NE	2.2	3.0	6.6	4.3	1.1	.3		.0				18.3	9.1
ENE	1.1	3.0	8.0	7.1	2.0	.3	.2					21.8	10.6
E	1.0	1.3	4.2	2.8	1.1	.2						10.7	10.0
ESE	.3	.5	.8	.3	.1							2.0	6.2
SE	.3	.0	.3	.3	.2							1.2	10.6
SSE	.0	.1	.3	.8	.5							1.8	12.9
S	.1	.2	.2	.7	.2							1.5	11.5
SSW			.4	.2								.5	9.9
SW	.2	.2	.3	.4	.1							1.2	9.0
WSW	.1	.0	.1	.2								.5	4.7
W	.6	.3	.2	.2		.0						1.3	8.8
WNW	1.0	.6	.4	.1								2.0	4.8
NW	3.5	4.2	1.4	.0								9.2	4.5
NNW	1.9	3.5	1.3	.3								7.0	5.2
VARBL													
CALM												7.1	
	17.1	24.2	26.8	18.1	5.3	.9	.2	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

2476

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22522

HONOLULU OAHU/JOHN RODGERS NCAS

39-66

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	1.5	.7	.2							4.1	7.9
NNE	.3	1.2	1.5	.9	.3	.1						4.3	9.0
NE	.5	.9	4.9	7.1	2.9	.7						17.1	12.6
ENE	.3	1.5	7.1	10.7	4.5	1.1	.1					25.3	13.0
E	.1	1.1	4.2	5.7	2.3	.9						14.2	12.7
ESE	.3	.5	.8	.6	.2							2.4	8.1
SE	.8	1.4	1.9	.9	.2	.0						5.3	9.1
SSE	.9	1.7	1.5	1.1	.3							5.5	8.2
S	1.3	1.6	2.6	1.1	.3							6.8	7.7
SSW	.2	.2	1.1	.6								2.2	8.4
SW	.4	.3	.7	.6	.1							2.1	8.5
WSW	.2	.2	.3	.3								1.0	8.8
W	.3	.6	.4	.2		.0						1.9	7.0
WNW	.1	.4	.2	.1	.0							.8	8.7
NW	.9	1.2	.5	.1	.1							2.8	9.7
NNW	.2	.6	.7	.2	.0	.0						1.8	7.6
VARBL													
CALM												2.9	
	7.4	14.4	29.9	31.0	11.5	2.9	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

2475

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU CAHU/JOHN RODGERS WDAS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.9	.5	.4	.0						2.3	10.5
NNE	.0	.5	1.1	1.1	.4	.1						3.2	11.2
NE	.1	.8	4.4	9.3	3.9	1.2	.1					19.8	13.9
ENE	.2	.4	5.9	13.1	5.5	1.8						26.8	14.0
E	.1	.5	2.3	4.4	2.8	.7						10.8	13.8
ESE	.0	.4	.3	.5	.2							1.4	10.4
SE	.1	.9	2.2	1.8	.4	.0						5.4	10.4
SSE	.2	1.1	3.7	2.1	.4	.0						7.6	9.8
S	.2	1.7	4.4	1.5	.1	.0						7.9	8.8
SSW	.2	.5	2.5	.8								4.0	8.9
SW	.2	.4	2.1	1.4	.2	.0						4.3	10.2
WSW		.2	.4	.7	.1							1.4	11.2
W	.2	.2	.6	.4	.1							1.5	9.9
WNW		.2	.1	.1	.0							.4	8.7
NW	.1	.3	.3	.3	.2							1.7	10.3
NNW		.2	.5	.4	.1	.0						1.3	10.5
VARBL													
CALM												.7	
	1.8	8.3	31.9	38.3	14.8	4.0	.1					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 2473

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WRAS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.7	1.9	.6	.3							3.9	9.3
NNE	.1	.7	1.7	1.1	.1							3.6	9.7
NE	.3	1.9	7.2	9.0	3.5	.7	.2					22.7	12.5
ENE	.0	1.0	9.0	11.6	4.8	1.1						27.5	12.9
E	.3	.7	2.9	4.1	1.6	.4	.0					10.0	12.3
ESE	.1	.3	.5	.1	.1	.1						1.3	9.9
SE	.5	.8	1.8	1.5	.2							4.8	9.0
SSE	.1	1.6	1.8	1.1	.2	.1						4.9	8.9
S	.6	1.4	2.4	1.0	.2							5.9	8.2
SSW	.2	.6	1.6	.2	.0	.0						2.7	7.9
SW	.2	.6	1.6	.9	.1	.1						3.7	9.5
WSW	.0	.4	.9	.4	.2							1.9	9.7
W	.2	.4	.9	.4	.1	.0						2.2	8.8
WNW		.2	.3	.1								.6	8.3
NW	.1	.7	1.1	.5	.0							2.9	8.5
NNW	.0	.4	.4	.4	.1	.0						1.4	10.5
VARBL													
CALM												.8	
	3.1	12.5	36.2	33.0	11.6	2.5	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

2467

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WHAS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	2.4	.8	.2	.0						6.0	6.8
NNE	1.2	2.5	1.8	1.0	.1							6.5	6.8
NE	2.5	4.7	7.4	5.6	1.9	.5	.0					22.6	9.5
ENE	1.3	3.0	8.7	8.6	2.7	1.0						25.2	11.1
E	.9	2.5	4.5	3.5	.9	.2						12.5	9.5
ESE	.2	.5	.4	.2	.2	.1						1.7	9.2
SE	.3	.7	.9	.3	.2							2.3	8.2
SSE	.3	.5	.5	.5	.1							2.0	8.3
S	.1	.5	.8	.8	.1							2.3	9.7
SSW	.2	.3	.4	.1		.0						.9	7.7
SW	.1	.4	.3	.1								.9	6.4
WSW	.2	.2	.4	.3	.1							1.0	8.8
W	.5	.3	.5	.2								1.5	6.3
WNW	.1	.2	.2	.0								.5	6.5
NW	1.3	1.9	1.2	.0	.0							4.5	5.3
NNW	.8	1.4	.9	.2	.0		.0					3.4	6.2
VARBL													
CALM												4.0	
	11.6	22.3	31.4	22.1	6.6	1.8	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

2399

4
DATA PROCESSING DIVISION
ETAG, USAF
ASHEVILLE, N. C. 28801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22521
STATION

HONOLULU OAHU/JOHN RODGERS WNAS
STATION NAME

39-66
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.9	1.6	.3	.1							8.4	3.2
NNE	1.5	2.9	1.0	.5								5.9	3.5
NE	2.5	4.1	5.9	5.0	1.1	.3						18.9	9.1
ENE	1.3	4.4	7.8	8.1	1.9	.6						24.0	10.3
E	.9	2.3	4.9	3.2	1.4	.3						13.0	10.0
ESE	.0	.3	.3	.2	.1							1.2	8.7
SE	.0	.2	.4	.3	.1	.1						1.2	11.1
SSE	.1	.1	.7	.5	.1							1.5	9.6
S		.2	.4	.9								1.5	10.5
SSW	.1	.1	.2	.3								.8	9.3
SW	.1	.0	.1	.2	.0							.5	9.0
WSW	.1	.0	.1	.3								.5	9.8
W	.1	.3	.2	.2	.0							.8	8.4
WNW	.5	.8	.2	.1								1.7	4.9
NW	7.0	3.3	1.5	.2								8.0	4.8
NNW	1.6	3.0	1.1	.2	.0							5.9	9.1
VARBL													
CALM												6.1	
	14.5	26.4	26.3	20.5	4.9	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

2369

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN ROGERS WHAS
STATION NAME

39-67
YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.6	2.0	.3	.2							5.7	0.5
NNE	.9	.9	1.2	.5								3.5	6.5
NE	1.2	2.0	1.5	.3	.1	.1						3.3	6.6
ENE	.9	1.5	2.2	.5								5.0	6.8
E	1.4	2.6	2.4	.7	.3	.2						7.6	7.3
ESE	.1	.6	1.6	1.6	.8	.7	.3	.2	.1			6.0	15.3
SE	.9	.3	1.2	1.8	2.0	1.0	.6					7.9	15.1
SSE	.7	1.0	2.4	2.6	1.2	1.5						9.4	13.0
S	.2	.8	3.4	2.6	2.4	.6						10.0	13.0
SSW	.3	.6	.6	2.0	1.1	.7	.2					5.6	14.7
SW	.1	.6	1.8	1.7	1.2	.5	.1					6.0	13.3
WSW	.1	.9	1.0	1.6	1.6	.8	.1					6.1	14.5
W	.7	.6	1.6	1.2	.9	.2						5.2	11.0
WNW	.1	.6	1.5	.2								2.4	7.8
NW	1.2	1.8	1.8	.7	.2							5.8	7.0
NNW	1.1	1.0	1.5	.5	.2		.1					6.4	7.6
VARBL													
CALM												4.0	
	11.6	17.4	27.7	18.8	12.5	6.2	1.5	.2	.1			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

081

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	≥ 0	
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-67

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 18000	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 16000	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 12000	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 10000	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 9000	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 7000	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000	75.0	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4500	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4000	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 3500	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	93.2	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2500	97.3	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.1	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.2	99.1	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	98.3	99.2	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.3	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	98.4	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 224400

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS MBAS

40-67

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.9	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 18000	62.2	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 16000	63.2	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	65.1	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 12000	67.2	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000	69.4	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 9000	70.1	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 8000	71.0	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 7000	71.7	72.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	73.6	74.2	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 5000	77.3	78.0	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	80.5	81.3	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	83.0	83.9	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	85.5	86.4	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	90.0	91.1	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500	93.8	95.2	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2000	95.3	97.0	97.4	97.7	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	95.5	97.3	97.7	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	95.7	97.6	98.1	98.5	98.8	98.8	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	95.8	97.8	98.3	98.7	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	95.9	97.9	98.4	98.8	99.2	99.3	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	95.9	97.9	98.4	98.8	99.2	99.3	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	95.9	97.9	98.5	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	95.9	97.9	98.5	98.9	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	95.9	97.9	98.5	98.9	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	95.9	97.9	98.5	98.9	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	95.9	97.9	98.5	98.9	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	95.9	97.9	98.5	98.9	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18921

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CANU/JOHN RODGERS WBAS
STATION NAME

40-47
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	60.5	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 18000	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 14000	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 12000	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	68.6	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 9000	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 8000	70.3	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 7000	71.1	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	72.8	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4500	80.1	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 4000	83.2	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	86.1	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	91.2	91.9	92.0	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	95.4	96.3	96.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	96.8	97.9	98.2	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	97.0	98.2	98.4	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	97.2	98.4	98.7	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.2	98.5	98.8	99.0	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	97.2	98.5	98.8	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 17291

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU GAMP/JOHN RODGERS WBAS

YEARS
40-67

MONTH
MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
N 20000	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
N 18000	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
N 16000	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
N 14000	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
N 12000	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
N 10000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
N 9000	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
N 8000	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
N 7000	72.2	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
N 6000	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
N 5000	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
N 4500	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
N 4000	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
N 3500	85.5	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
N 3000	91.4	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
N 2500	96.1	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
N 2000	97.3	98.4	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
N 1800	97.4	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
N 1500	97.6	98.8	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
N 1200	97.6	98.9	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
N 1000	97.7	99.0	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 900	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 800	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 700	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 600	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 500	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 400	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 300	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 200	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 100	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
N 0	97.7	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 18972

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WRAS

40-67

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4	52.0 60.4
IV 18000 IV 16000	61.0 62.2	61.0 62.2	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3	61.0 62.3
IV 14000 IV 12000	64.1 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6	64.2 66.6
IV 10000 IV 9000	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1	68.5 69.1
IV 8000 IV 7000	69.7 70.4	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5	69.7 70.5
IV 6000 IV 5000	72.6 75.8	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9	72.7 75.9
IV 4500 IV 4000	79.0 81.8	79.1 81.8	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9	79.1 81.9
IV 3500 IV 3000	85.3 92.7	85.4 93.0	85.5 93.0	85.5 93.0	85.5 93.0	85.5 93.0	85.5 93.1	85.5 93.1	85.5 93.1	85.5 93.1	85.5 93.1	85.5 93.1	85.5 93.1	85.5 93.1	85.5 93.1	85.5 93.1
IV 2500 IV 2000	97.7 98.5	98.1 99.2	98.2 99.3	98.2 99.3	98.2 99.3	98.2 99.3	98.2 99.4	98.2 99.4	98.2 99.4	98.2 99.4	98.2 99.4	98.2 99.4	98.2 99.4	98.2 99.4	98.2 99.4	98.2 99.4
IV 1800 IV 1500	98.6 98.6	99.3 99.4	99.4 99.5	99.4 99.6	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7
IV 1200 IV 1000	98.7 98.7	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 900 IV 800	98.7 98.7	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 700 IV 600	98.7 98.7	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0
IV 500 IV 400	98.7 98.7	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0
IV 300 IV 200	98.7 98.7	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0
IV 100 IV 0	98.7 98.7	99.5 99.5	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0

TOTAL NUMBER OF OBSERVATIONS 18367

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU CANU/JOHN RODGERS WBAS

YEARS
40-67

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 18000	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 12000	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 10000	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 5000	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	98.1	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	99.0	99.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 18961

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN ROGERS WBAS
STATION NAME

39-66
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 18000	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000	70.9	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 9000	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 6000	74.5	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	79.0	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4500	82.7	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	85.1	85.2	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	87.8	87.9	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	94.8	95.0	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	98.7	99.0	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	99.1	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	99.1	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.1	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.1	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.3	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18776

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 10000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 9000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 6000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 4500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3000	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2000	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1600	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 19364

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WHAS
STATION NAME

39-48.50-66
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 18000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 16000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 14000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 12000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 10000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 9000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 8000	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 6000	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 5000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3000	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4
IV 2500	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	99.0	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.1	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 1000	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18698

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 20000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 18000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 16000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 12000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 10000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 8000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 6000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4500	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3500	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18119

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WNAS
STATION NAME

39-48,50-66
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 16000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 9000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 5000	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	98.5	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	98.5	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	98.6	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18723

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.2	56.8 66.3
IV 18000 IV 16000	66.8 67.4	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5	66.9 67.5
IV 14000 IV 12000	68.6 70.7	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8	68.7 70.8
IV 10000 IV 9000	72.3 72.8	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0	72.4 73.0
IV 8000 IV 7000	73.8 74.2	73.9 74.3	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4	74.0 74.4
IV 6000 IV 5000	75.6 78.4	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7	75.8 78.7
IV 4500 IV 4000	81.8 84.2	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5	82.1 84.5
IV 3500 IV 3000	86.9 93.6	87.3 94.1	87.3 94.1	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2	87.3 94.2
IV 2500 IV 2000	97.7 98.3	98.4 99.1	98.4 99.2	98.5 99.3	98.5 99.3	98.6 99.3	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4
IV 1800 IV 1500	98.4 98.4	99.2 99.3	99.4 99.5	99.5 99.6	99.5 99.6	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7
IV 1200 IV 1000	98.5 98.5	99.4 99.4	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 900 IV 800	98.5 98.5	99.4 99.4	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 700 IV 600	98.5 98.5	99.4 99.4	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 500 IV 400	98.5 98.5	99.5 99.5	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 300 IV 200	98.5 98.5	99.5 99.5	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 100 IV 0	98.5 98.5	99.5 99.5	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9

TOTAL NUMBER OF OBSERVATIONS 18812

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU GAHU/JOHN RODGERS WNAS
STATION NAME

39-66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 12000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 8000	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 7000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 6000	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 5000	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 4000	80.7	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3000	90.8	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	95.7	96.8	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 2000	98.8	98.7	98.9	98.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	97.0	98.5	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	97.2	98.8	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	97.2	98.8	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.3	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.3	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	97.3	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	97.3	98.9	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 19396

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

41-67

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 20000	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 14000	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	71.1	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	73.0	73.1	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 9000	73.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 8000	74.0	74.1	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	74.4	74.5	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	75.7	75.8	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 5000	79.3	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	82.7	83.1	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 4000	85.3	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	87.3	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	91.7	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500	94.6	95.4	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	96.2	97.2	97.8	97.9	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	96.5	97.5	98.1	98.3	98.7	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	96.6	97.7	98.3	98.6	99.1	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	96.8	97.8	98.5	98.8	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	96.8	97.9	98.6	99.0	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.8	97.9	98.6	99.0	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	96.8	97.9	98.6	99.0	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	96.8	97.9	98.6	99.0	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	96.8	97.9	98.6	99.0	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	96.8	97.9	98.6	99.0	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2316

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521 HONOLULU CAMU/JOHN RODGERS W845

41-67

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 18000 16000	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000 12000	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000 9000	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 8000 7000	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 6000 5000	73.8	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4500 4000	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500 3000	85.8	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500 2000	93.6	94.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800 1500	95.6	96.9	97.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200 1000	96.2	97.6	98.4	98.8	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900 800	96.3	97.8	98.5	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700 600	96.3	97.8	98.6	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	96.3	97.8	98.6	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	96.3	97.8	98.6	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	96.3	97.8	98.6	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2314

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU DAHU/JOHN RODGERS WBAS

YEARS
40-67

MONTH
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)
0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	54.0	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	58.4	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 18000	58.9	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	60.2	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	62.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 12000	64.1	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	66.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 9000	67.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 8000	68.7	69.7	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 7000	69.5	70.6	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	71.7	72.9	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000	75.7	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	79.5	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4000	82.6	84.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	85.4	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	89.4	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	92.1	94.4	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2000	94.2	97.0	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	94.5	97.3	97.7	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	94.8	97.8	98.3	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	94.9	98.0	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	95.0	98.3	98.8	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.0	98.3	98.8	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.0	98.3	98.9	99.2	99.4	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.0	98.3	98.9	99.2	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU DAMU/JOHN RODGERS MBAS

40-67
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.2	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000	58.3	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 18000	58.8	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	60.1	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	62.3	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 12000	64.4	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 10000	67.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 9000	68.0	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 8000	69.4	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 7000	70.5	71.6	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	72.5	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	74.1	75.3	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	79.5	80.7	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	82.1	83.4	83.6	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	84.4	85.7	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	89.4	91.1	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	93.6	95.8	96.1	96.2	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	95.1	97.6	97.9	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	95.2	98.0	98.3	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1600	95.2	98.0	98.3	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1400	95.2	98.0	98.3	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	95.2	98.0	98.3	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	95.2	98.0	98.3	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	95.3	98.1	98.5	98.8	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.3	98.1	98.5	98.8	99.3	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.3	98.1	98.5	98.8	99.3	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	58.9	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 18000	59.6	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	60.6	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 14000	63.0	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 12000	65.6	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	70.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 7000	71.0	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	72.7	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	76.2	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	79.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	81.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000	89.5	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	94.1	95.7	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	95.2	97.2	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	95.2	97.2	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	95.5	97.6	98.1	98.3	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	95.5	97.8	98.3	98.5	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	95.5	97.9	98.4	98.6	99.1	99.1	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.5	97.9	98.4	98.6	99.1	99.1	99.2	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.5	98.0	98.5	98.7	99.2	99.2	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.5	98.0	98.5	98.7	99.2	99.2	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.5	98.0	98.5	98.7	99.2	99.2	99.3	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 400	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 300	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 200	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	95.5	98.0	98.5	98.7	99.2	99.3	99.4	99.4	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2407

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU DANU/JOHN RODGERS MBAS

YEARS
40-67

MONTH
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)
1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.7 58.4	52.3 58.9	52.5 59.1	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2	52.6 59.2
IV 18000 IV 16000	59.0 60.2	59.6 60.8	59.8 60.9	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1	59.9 61.1
IV 14000 IV 12000	62.4 63.0	62.9 63.6	63.1 63.8	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9	63.2 63.9
IV 10000 IV 9000	67.1 67.7	67.7 68.3	67.8 68.5	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7	68.0 68.7
IV 8000 IV 7000	69.2 69.9	69.8 70.5	70.0 70.8	70.2 70.9	70.2 71.0	70.2 71.0	70.3 71.0	70.3 71.0	70.3 71.0	70.3 71.0	70.3 71.0	70.3 71.0	70.3 71.0	70.3 71.0	70.3 71.0	70.3 71.0
IV 6000 IV 5000	72.3 76.0	73.0 76.7	73.2 77.0	73.4 77.2	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3	73.5 77.3
IV 4500 IV 4000	78.7 80.9	79.6 81.8	79.8 82.1	80.0 82.3	80.1 82.4	80.1 82.4	80.2 82.5	80.2 82.5	80.2 82.5	80.2 82.5	80.2 82.5	80.2 82.5	80.2 82.5	80.2 82.5	80.2 82.5	80.2 82.5
IV 3500 IV 3000	83.6 89.3	84.4 90.4	84.7 90.8	85.0 91.3	85.1 91.4	85.1 91.4	85.2 91.5	85.2 91.5	85.2 91.5	85.2 91.5	85.2 91.5	85.2 91.5	85.2 91.5	85.2 91.5	85.2 91.5	85.2 91.5
IV 2500 IV 2000	93.7 94.9	94.9 96.6	95.3 97.0	95.8 97.6	95.9 97.8	95.9 97.8	96.0 98.0	96.0 98.0	96.0 98.0	96.0 98.0	96.0 98.0	96.0 98.0	96.0 98.0	96.0 98.0	96.0 98.0	96.0 98.0
IV 1800 IV 1500	95.2 95.3	96.9 97.1	97.3 97.5	97.9 98.2	98.2 98.5	98.2 98.5	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9
IV 1200 IV 1000	95.4 95.4	97.1 97.1	97.6 97.6	98.2 98.2	98.7 98.8	98.8 98.8	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2
IV 900 IV 800	95.4 95.4	97.1 97.1	97.6 97.6	98.2 98.2	98.8 98.8	98.8 98.8	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3
IV 700 IV 600	95.4 95.4	97.1 97.1	97.6 97.6	98.2 98.2	98.8 98.8	98.8 98.8	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3
IV 500 IV 400	95.4 95.4	97.1 97.1	97.6 97.6	98.2 98.2	98.8 98.8	98.8 98.8	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3
IV 300 IV 200	95.4 95.4	97.1 97.1	97.6 97.6	98.2 98.2	98.8 98.8	98.8 98.8	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3
IV 100 IV 0	95.4 95.4	97.1 97.1	97.6 97.6	98.2 98.2	98.8 98.8	98.8 98.8	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3

TOTAL NUMBER OF OBSERVATIONS 2404

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.8	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	62.9	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	63.3	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	64.4	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	66.5	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000	68.9	69.1	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000	70.1	70.4	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 9000	70.8	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	71.8	72.1	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 7000	72.6	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	74.7	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	78.5	79.2	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	81.4	82.1	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4000	83.6	84.5	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	86.5	87.4	87.5	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	90.2	91.1	91.5	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	94.4	95.4	95.8	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2000	95.8	97.0	97.3	97.7	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	96.0	97.2	97.6	98.0	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	96.1	97.6	98.1	98.5	98.9	98.9	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	96.2	97.7	98.3	98.8	99.2	99.2	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	96.3	97.7	98.4	98.8	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 900	96.2	97.7	98.4	98.8	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 800	96.2	97.7	98.5	98.9	99.4	99.4	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 700	96.2	97.7	98.5	98.9	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 600	96.2	97.7	98.5	98.9	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 500	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 400	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 300	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 200	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 100	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 0	96.2	97.7	98.6	99.0	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2348

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521 HONOLULU CANU/JOHN RODGERS WNAS

41-67

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	62.3	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 18000	66.2	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	66.9	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	68.8	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000	70.8	71.3	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	72.4	72.6	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 9000	73.1	73.9	73.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 8000	73.8	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	74.4	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	75.9	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	79.4	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500	82.7	83.4	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4000	85.0	85.7	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	86.9	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000	90.3	91.1	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	94.1	95.2	95.3	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2000	95.6	97.1	97.3	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	95.9	97.5	97.7	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500	96.2	98.0	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	96.4	98.3	98.7	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	96.4	98.3	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.4	98.3	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.5	98.3	98.8	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2314

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU CAHU/JOHN RODGERS WBAS

YEARS
41-47

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)
0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 18000	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 12000	71.1	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 10000	73.2	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	73.7	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	74.3	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 7000	74.6	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 6000	76.2	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 5000	79.5	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	83.3	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	86.1	86.3	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3500	88.4	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	92.3	92.9	93.1	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2500	95.7	96.6	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2000	97.1	98.1	98.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	97.3	98.4	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	97.4	98.5	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.4	98.6	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.5	98.7	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2117

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

41-67

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 12000	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 9000	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4500	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	92.2	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2500	95.2	96.1	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000	96.6	97.7	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	96.8	98.0	98.2	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	97.2	98.4	98.8	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.3	98.5	99.0	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.3	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 900	97.3	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 800	97.3	98.6	99.0	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 700	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.6	99.1	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2113

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22921
STATION

HONOLULU OAHU/JOHN RODGERS WNAS
STATION NAME

40-67
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	94.1 59.9	94.6 60.5	94.6 60.5	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6	94.7 60.6
IV 18000 IV 16000	60.1 60.9	60.7 61.5	60.8 61.6	60.8 61.6	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7	60.9 61.7
IV 14000 IV 12000	63.3 65.9	64.0 66.5	64.0 66.6	64.0 66.6	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7	64.1 66.7
IV 10000 IV 9000	68.9 69.7	69.6 70.5	69.7 70.5	69.7 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6
IV 8000 IV 7000	71.1 71.7	71.9 72.5	71.9 72.5	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6	72.0 72.6
IV 6000 IV 5000	73.2 77.0	74.0 78.0	74.1 78.0	74.1 78.0	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1	74.2 78.1
IV 4500 IV 4000	80.3 82.6	81.2 83.5	81.3 83.6	81.3 83.6	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7	81.4 83.7
IV 3500 IV 3000	85.3 90.4	86.3 91.8	86.4 92.0	86.4 92.0	86.5 92.2	86.5 92.2	86.5 92.4	86.5 92.4	86.5 92.4	86.5 92.4	86.5 92.4	86.5 92.4	86.5 92.4	86.5 92.4	86.5 92.4	86.5 92.4
IV 2500 IV 2000	94.4 96.0	95.9 97.7	96.0 97.9	96.1 98.1	96.3 98.3	96.4 98.4	96.5 98.5	96.6 98.6	96.6 98.6	96.6 98.6	96.6 98.6	96.6 98.6	96.6 98.6	96.6 98.6	96.6 98.6	96.6 98.6
IV 1800 IV 1500	96.3 96.5	98.0 98.3	98.2 98.5	98.4 98.8	98.7 99.3	98.8 99.4	98.9 99.5	99.0 99.6	99.0 99.6	99.0 99.6	99.0 99.6	99.0 99.6	99.0 99.6	99.0 99.6	99.0 99.6	99.0 99.6
IV 1200 IV 1000	96.6 96.6	98.4 98.4	98.6 98.6	98.9 98.9	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 900 IV 800	96.6 96.6	98.4 98.4	98.6 98.6	98.9 98.9	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 700 IV 600	96.6 96.6	98.4 98.4	98.6 98.6	98.9 98.9	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 500 IV 400	96.6 96.6	98.4 98.4	98.6 98.6	98.9 98.9	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 300 IV 200	96.6 96.6	98.4 98.4	98.6 98.6	98.9 98.9	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 IV 0	96.6 96.6	98.4 98.4	98.6 98.6	98.9 98.9	99.5 99.5	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 2200

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU GAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	48.4	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 20000	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 18000	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 16000	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 14000	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 12000	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 9000	66.0	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	67.0	67.5	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 7000	68.1	68.6	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 6000	69.8	70.3	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	74.1	74.6	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4500	77.8	78.4	78.4	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4000	81.0	81.7	81.7	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3500	83.9	84.5	84.6	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	90.2	91.0	91.1	91.3	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	94.9	96.0	96.1	96.4	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	96.1	97.6	97.8	98.1	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	96.3	97.9	98.2	98.5	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	96.5	98.3	98.5	98.8	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 1200	96.5	98.4	98.7	99.0	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 1000	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 900	96.5	98.4	98.7	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 800	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 700	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 600	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 500	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	96.5	98.4	98.7	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2205

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 18000	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 16000	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 14000	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 12000	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 10000	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 9000	65.3	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 8000	66.5	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	67.5	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 6000	69.6	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 5000	73.5	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4500	77.1	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4000	80.4	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	83.8	84.6	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	90.9	91.7	91.9	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	95.1	96.4	96.8	97.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	96.2	97.7	98.1	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	96.5	98.0	98.5	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	96.6	98.1	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	96.6	98.2	98.6	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.6	98.2	98.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2202

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU GAHU/JOHN RODGERS MBAS

YEARS
40-67

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 20000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 16000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 12000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 10000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 8000	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 7000	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 6000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 5000	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 4000	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3000	91.1	91.3	91.5	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	96.1	96.7	96.9	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 2000	97.5	98.1	98.4	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	97.6	98.3	98.5	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	97.6	98.4	98.6	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	97.7	98.4	98.6	98.8	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.7	98.5	98.7	99.0	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.7	98.5	98.7	99.0	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2202

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS HRAS
STATION NAME

40-67
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	55.0 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0	55.1 61.0
IV 18000 16000	61.2 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2	61.3 62.2
IV 14000 12000	63.6 65.9	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0	63.6 66.0
IV 10000 9000	68.4 68.8	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9	68.4 68.9
IV 8000 7000	69.7 70.5	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6	69.8 70.6
IV 6000 5000	71.6 75.3	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4
IV 4500 4000	79.4 82.1	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2	79.4 82.2
IV 3500 3000	85.3 89.8	85.4 90.2	85.4 90.6	85.5 90.6	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7	85.5 90.7
IV 2500 2000	95.6 97.5	96.2 98.1	96.2 98.2	96.6 98.6	96.7 98.7	96.8 98.8	96.8 99.0	96.8 99.0	96.8 99.0	96.8 99.0	96.8 99.0	96.8 99.0	96.8 99.0	96.8 99.0	96.8 99.0	96.8 99.0
IV 1800 1500	97.6 97.7	98.2 98.3	98.3 98.5	98.7 98.9	98.8 99.0	98.9 99.1	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3
IV 1200 1000	97.7 97.7	98.4 98.5	98.5 98.7	99.0 99.2	99.2 99.4	99.3 99.4	99.5 99.8	99.6 99.9	99.6 99.9	99.6 99.9	99.6 99.9	99.6 99.9	99.6 99.9	99.6 99.9	99.6 99.9	99.6 99.9
IV 900 800	97.7 97.7	98.5 98.5	98.7 98.7	99.2 99.2	99.5 99.5	99.5 99.5	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 700 600	97.7 97.7	98.5 98.5	98.7 98.7	99.2 99.2	99.5 99.5	99.5 99.5	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 400	97.7 97.7	98.5 98.5	98.7 98.7	99.2 99.2	99.5 99.5	99.5 99.5	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	97.7 97.7	98.5 98.5	98.7 98.7	99.2 99.2	99.5 99.5	99.5 99.5	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	97.7 97.7	98.5 98.5	98.7 98.7	99.2 99.2	99.5 99.5	99.5 99.5	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2136

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

41-67
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 18000	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 12000	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 10000	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 8000	73.7	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000	74.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	76.0	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 5000	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	82.7	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 4000	85.3	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	88.5	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	92.6	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	96.2	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2000	97.4	98.3	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	97.6	98.5	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	97.9	98.8	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	97.9	98.8	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.9	98.9	99.1	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	98.0	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2116

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS KBAS

41-67

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 18000	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 16000	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 7000	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3000	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2500	94.9	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000	96.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	97.2	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	97.4	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	97.4	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	97.4	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.4	98.8	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.4	98.8	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.4	98.8	99.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.4	98.8	99.2	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.4	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.4	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.4	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.4	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.4	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.4	98.8	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2322

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521 HONOLULU DAMU/JOHN RODGERS WNAS 41-67

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 18000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 14000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 12000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 10000	71.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 9000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 8000	73.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 7000	74.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000	78.4	78.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4000	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 3000	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2500	95.5	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	97.1	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	97.2	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	97.4	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	97.5	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	97.6	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.6	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.6	99.1	99.2	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.6	99.1	99.3	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2321

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-2400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	60.7	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 10000	69.4	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	70.3	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 7000	71.6	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 6000	73.4	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 5000	76.0	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	78.3	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	81.5	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	83.8	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	89.3	90.5	90.6	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2500	95.0	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	96.1	97.9	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	96.2	98.3	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	96.3	98.5	98.8	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	96.4	98.7	99.0	99.2	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	96.4	98.7	99.1	99.2	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	96.4	98.7	99.1	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

2412

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN ROGERS WBAS
STATION NAME

40-67
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 18000	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 16000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 14000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 12000	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 10000	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 9000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 8000	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 6000	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 5000	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4000	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	85.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2000	96.5	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800	97.3	98.4	98.4	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	97.3	98.6	98.6	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	97.3	98.6	98.6	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	97.3	98.6	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2415

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000 16000	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000 12000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000 9000	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000 7000	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 6000 5000	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 4500 4000	74.8	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500 3000	84.8	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2500 2000	96.8	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800 1500	97.6	98.7	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200 1000	97.7	98.9	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900 800	97.7	98.9	99.2	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 700 600	97.7	98.9	99.2	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 500 400	97.7	98.9	99.2	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 300 200	97.7	98.9	99.2	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 100 0	97.7	98.9	99.2	99.3	99.6	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

22521 STATION HONOLULU CAHU/JOHN RODGERS WBAS 40-67

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 18000 16000	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000 12000	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000 9000	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000 7000	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 6000 5000	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4500 4000	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3500 3000	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500 2000	97.2	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800 1500	98.1	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200 1000	98.3	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900 800	98.4	99.2	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700 600	98.4	99.2	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	98.4	99.2	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	98.4	99.2	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	98.4	99.2	99.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2413

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 16000	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 10000	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 9000	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3500	85.9	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	96.8	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	98.1	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	98.2	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	98.2	98.9	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.4	99.2	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.2	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2356

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22921
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 12000	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 10000	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 9000	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 8000	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4000	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3500	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	91.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	95.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000	97.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	97.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	98.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	98.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2320

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 18000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 14000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 10000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 7000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 6000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3000	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	98.5	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	98.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2242

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN ROGERS WBAS
STATION NAME

41-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 18000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 16000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 14000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 10000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 8000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 7000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 6000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 5000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3000	92.4	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	97.3	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2000	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.4	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	98.4	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2243

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 16000	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 9000	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 8000	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 6000	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4500	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3000	92.4	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2500	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.3	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	98.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	98.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2334

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 18000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 16000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 14000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 10000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 9000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 8000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 7000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 6000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 5000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4500	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4000	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	91.6	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	97.4	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2000	98.4	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	98.5	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.5	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.5	99.3	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.5	99.3	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.5	99.3	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.5	99.3	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.5	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.3	99.4	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2337

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 12000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 9000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2337

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 16000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 12000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 7000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 6000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3000	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.2	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2338

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION 22521 HONOLULU OHU/JOHN RODGERS WBAS YEARS 40-67 MONTH APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 16000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 12000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 10000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 9000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 6000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3000	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	98.4	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	98.4	99.5	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2283

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU GAHU/JOHN RODGERS WHAS
STATION NAME

40-67
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 18000	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 12000	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 10000	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 8000	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 7000	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 6000	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 5000	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3000	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	98.4	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	98.5	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.5	99.5	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.5	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	98.5	99.5	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.5	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.5	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.5	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.5	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2253

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WNAS

40-67

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 16000	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 14000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
IV 12000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
IV 10000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
IV 9000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 8000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
IV 7000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2
IV 6000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
IV 5000	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4000	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3500	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2500	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 1800	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 1200	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 1000	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2342

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN ROGERS WBAS
STATION NAME

40-67
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0900
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 18000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 16000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 14000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 12000	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 10000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 8000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 7000	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3500	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2500	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 2000	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2349

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

40-67

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 20000	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 18000	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 16000	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 5000	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 4000	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3000	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	98.7	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	98.7	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2395

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	61.3 64.4	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7	51.5 64.7
IV 18000 IV 16000	54.8 65.5	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8	65.1 65.8
IV 14000 IV 12000	66.9 68.8	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1	67.2 69.1
IV 10000 IV 9000	70.6 70.9	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2	70.9 71.2
IV 8000 IV 7000	72.2 73.1	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4	72.5 73.4
IV 6000 IV 5000	75.1 78.3	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6	75.4 78.6
IV 4500 IV 4000	81.2 83.1	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4	81.5 83.4
IV 3500 IV 3000	85.5 94.7	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1	85.8 95.1
IV 2500 IV 2000	98.6 99.2	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8	99.2 99.8
IV 1800 IV 1500	99.2 99.3	99.8 99.9	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0
IV 1200 IV 1000	99.3 99.3	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 900 IV 800	99.3 99.3	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 700 IV 600	99.3 99.3	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	99.3 99.3	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	99.3 99.3	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	99.3 99.3	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2398

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU CAMU/JOHN RODGERS W8AS

YEARS
40-67

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8	47.2 61.8
IV 18000 IV 16000	62.1 63.0	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1	62.2 63.1
IV 14000 IV 12000	64.7 67.1	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2	64.8 67.2
IV 10000 IV 9000	68.8 69.3	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4	68.9 69.4
IV 8000 IV 7000	70.6 71.2	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3	70.6 71.3
IV 6000 IV 5000	72.9 76.4	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5	72.9 76.5
IV 4500 IV 4000	79.3 81.1	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2	79.4 81.2
IV 3500 IV 3000	84.9 94.8	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0	85.0 95.0
IV 2500 IV 2000	98.3 99.1	98.7 99.6	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7	98.7 99.7
IV 1800 IV 1500	99.1 99.1	99.6 99.7	99.7 99.7	99.7 99.8	99.7 99.8	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0	99.8 100.0
IV 1200 IV 1000	99.1 99.1	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 900 IV 800	99.1 99.1	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 700 IV 600	99.1 99.1	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 500 IV 400	99.1 99.1	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 300 IV 200	99.1 99.1	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 100 IV 0	99.1 99.1	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 2398

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 20000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 10000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 7000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 5000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4500	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	93.8	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2500	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2398

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 18000	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 16000	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 7000	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4500	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 4000	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	97.9	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	99.1	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2349

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU GAHU/JOHN RODGERS WHAS
STATION NAME

40-67
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 18000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 16000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 14000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 7000	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3000	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	98.8	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.0	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.0	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.0	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2332

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

22521 HONOLULU DANU/JOHN RODGERS WHAS

40-66

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 16000	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 14000	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	74.1	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	74.9	74.9	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 9000	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 8000	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	76.5	76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 6000	78.5	78.5	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	82.7	82.7	82.7	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4500	86.3	86.3	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4000	88.5	88.6	88.6	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3500	90.5	90.6	90.6	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	95.4	95.5	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	98.5	98.7	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.0	99.3	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.0	99.3	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.0	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.0	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.1	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.1	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

40-66

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 18000	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 12000	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 9000	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 8000	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 7000	74.3	74.3	74.4	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	76.2	76.3	76.4	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	80.7	80.8	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	85.4	85.4	85.5	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	88.0	88.1	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3500	90.0	90.1	90.2	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000	95.6	95.8	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	98.6	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	99.1	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.2	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.2	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.2	99.5	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2307

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.7 63.7	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8	52.8 63.8
IV 18000 IV 16000	64.0 64.4	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5	64.0 64.5
IV 14000 IV 12000	66.1 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5	66.2 67.5
IV 10000 IV 9000	68.7 69.3	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4	68.8 69.4
IV 8000 IV 7000	69.8 70.5	70.1 70.8	70.1 70.8	70.1 70.8	70.2 70.9	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0	70.2 71.0
IV 6000 IV 5000	72.4 76.8	72.7 77.1	72.7 77.1	72.7 77.1	72.8 77.2	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3	72.9 77.3
IV 4500 IV 4000	80.5 82.8	80.8 83.2	80.8 83.2	80.8 83.2	80.9 83.3	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4	81.0 83.4
IV 3500 IV 3000	86.1 93.1	86.6 93.9	86.6 94.0	86.6 94.0	86.8 94.2	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3	86.9 94.3
IV 2500 IV 2000	97.5 98.3	98.5 99.3	98.7 99.5	98.7 99.5	98.9 99.7	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8
IV 1800 IV 1500	98.4 98.4	99.4 99.5	99.6 99.7	99.6 99.7	99.8 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 1200 IV 1000	98.4 98.4	99.5 99.5	99.7 99.7	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 900 IV 800	98.4 98.4	99.5 99.5	99.7 99.7	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 700 IV 600	98.4 98.4	99.5 99.5	99.7 99.7	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	98.4 98.4	99.5 99.5	99.7 99.7	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	98.4 98.4	99.5 99.5	99.7 99.7	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	98.4 98.4	99.5 99.5	99.7 99.7	99.7 99.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2397

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28601

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU LAHI / JOHN RODGERS MBAS
STATION NAME

39-66
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO FILING ≥ 20000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 18000 14000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000 10000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 8000 6000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 6000 5000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4000 3000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 2000 1000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 600 500	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 400 300	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 200 100	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 100 0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500 3000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 2500 2000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800 1500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2398

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521 STATION HONOLULU OAHU/JOHN RODGERS WBAS

39-66 YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 16000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 14000	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 12000	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 10000	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 7000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 6000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	86.2	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	95.2	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 2500	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2396

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN ROGERS W8AS
STATION NAME

39-66
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 9000	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 8000	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 7000	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 6000	75.5	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3500	88.1	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000	96.1	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2500	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	99.2	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.2	99.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.3	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2396

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521 HONOLULU CAHU/JOHN RODGERS MBAS 39-66

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.0	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 18000	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 16000	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 14000	69.5	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 10000	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 9000	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 8000	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 7000	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 6000	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 5000	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4500	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	85.5	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	94.5	94.6	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2500	99.0	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	99.3	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.3	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.3	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.3	99.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.3	99.6	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2304

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WBAS

40-66

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2
NO CEILING ≥ 2000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 18000	71.2	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 16000	71.3	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 14000	72.3	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 12000	73.4	73.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 10000	73.9	73.9	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 9000	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000	74.4	74.4	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 6000	76.8	76.8	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	81.2	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4500	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000	87.3	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3500	89.3	89.3	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 3000	94.6	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2500	98.6	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2000	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

40-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 18000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 16000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 12000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 10000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 9000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 8000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 6000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 5000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 4500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3500	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3000	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2366

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 20000	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 18000	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 16000	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 12000	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 7000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 6000	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 5000	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2500	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.1	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2375

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 14000	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 10000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 7000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 6000	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 5000	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4500	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2500	98.0	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	99.0	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.1	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.2	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2473

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU TAFU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2	52.6 61.2
IV 18000 IV 16000	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2	61.8 62.2
IV 14000 IV 12000	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9	63.4 64.9
IV 10000 IV 9000	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5	65.2 65.5
IV 8000 IV 7000	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7	66.4 66.7
IV 6000 IV 5000	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9	68.7 73.9
IV 4500 IV 4000	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1	77.2 80.1
IV 3500 IV 3000	83.1 93.9	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1	83.2 94.1
IV 2500 IV 2000	98.7 99.4	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8
IV 1800 IV 1500	99.4 99.4	99.8 99.8	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 1200 IV 1000	99.4 99.4	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 900 IV 800	99.4 99.4	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 700 IV 600	99.4 99.4	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	99.4 99.4	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	99.4 99.4	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	99.4 99.4	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2473

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-66

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 20000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 18000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 16000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 12000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 10000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 8000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3500	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 2500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2000	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.6	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2464

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WHAS
STATION NAME

39-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 18000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 16000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 10000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 9000	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 8000	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 7000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4500	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 4000	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3500	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 3000	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2000	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2472

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-66

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 18000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 7000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3000	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2386

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 20000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 18000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 16000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 14000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 12000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 10000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 9000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 6000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 5000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2355

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN ROGERS WBAS

40-48,50-66

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3	66.8 71.3
IV 18000 16000	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8	71.3 71.8
IV 14000 12000	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0	72.4 74.0
IV 10000 9000	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8	74.8 74.8
IV 8000 7000	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9	75.3 75.9
IV 6000 5000	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4	77.7 81.4
IV 4500 4000	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2	85.1 87.2
IV 3500 3000	88.9 94.9	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3	89.0 95.3
IV 2500 2000	98.3 99.2	98.9 99.8	98.9 99.8	98.9 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8	99.0 99.8
IV 1800 1500	99.2 99.2	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 1200 1000	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 900 800	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 700 600	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 400	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	99.2 99.2	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2289

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

39-48,50-66
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 20000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 16000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 9000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 8000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2500	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	98.6	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	98.7	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN ROGERS WBAS
STATION NAME

39-48.50-66
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 12000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 8000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 5000	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	93.0	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2000	97.9	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	98.7	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	98.7	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.7	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2380

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS W8AS
STATION NAME

39-48,50-66
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 18000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 16000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 10000	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 7000	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 6000	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	98.0	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	99.0	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2385

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU DAKU/JOHN RODGERS WBAS
STATION NAME

39-48.50-66
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 16000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 12000	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8
≥ 9000	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 7000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0
≥ 6000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7
≥ 5000	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0
≥ 4000	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4
≥ 3000	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0
≥ 2500	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 1200	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 1000	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 900	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 800	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 700	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 600	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 500	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 400	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 300	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 200	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2386

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN ROGERS WBAS

39-48,50-66

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 18000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 16000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 12000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 10000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 9000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 8000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 7000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 5000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 4500	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.5	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2384

USAF ETAC FORM JUL 64 0-14-5(OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS MBAS
STATION NAME

39-48,50-66
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 18000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 16000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 14000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 12000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 10000	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 5000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4500	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4000	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2000	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2299

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-48,50-66

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 20000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 18000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 16000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 10000	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 8000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 7000	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 5000	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3000	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2286

USAF ETAC FORM 0-14-5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS MBAS

40-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 16000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 14000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 12000	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 6000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 5000	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 4500	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3500	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3000	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2500	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2218

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS MBAS
STATION NAME

40-48,50-66
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 20000	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 18000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 16000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 14000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 12000	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 10000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 9000	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 8000	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 7000	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 6000	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 5000	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4500	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4000	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 3500	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3000	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2500	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	98.9	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2219

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 16000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 12000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 9000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 8000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 7000	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 6000	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 5000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 4000	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3500	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2500	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2308

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-48,50-66
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING N 20000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 18000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 16000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 12000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 5000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3500	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2500	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900*	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2309

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WBAS

39-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 12000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 6000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 5000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2306

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WBAS

39-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 18000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 10000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 7000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	90.3	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2500	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2000	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2310

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU GAHU/JOHN RODGERS WBAS

39-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 20000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 18000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 16000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 14000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 12000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 10000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 9000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 7000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 4000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 2500	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2231

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WHAS

40-48,50-66

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8	75.0 79.8
IV 18000 16000	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4	80.3 80.4
IV 14000 12000	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1	81.2 82.1
IV 10000 9000	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2	83.0 83.2
IV 8000 7000	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8	83.5 83.8
IV 6000 5000	85.6 88.1	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2	85.6 88.2
IV 4500 4000	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1	90.1 91.1
IV 3500 3000	92.6 95.9	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0	92.7 96.0
IV 2500 2000	99.3 99.7	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9	99.4 99.9
IV 1800 1500	99.7 99.8	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 1200 1000	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2218

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

40-48,50-66
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 18000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 16000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 7000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3500	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 2500	98.3	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2286

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-48.50-66

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 18000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 16000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 10000	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 9000	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 8000	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 6000	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 5000	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4500	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4000	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2500	97.8	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	98.4	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.7	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.7	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2296

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28001

CEILING VERSUS VISIBILITY

STATION

HONOLULU OAHU/JOHN RODGERS HNAS

YEARS 39-40,50-66

MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST) 0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3	56.9 68.3
IVV 18000 16000	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5	68.6 69.5
IVV 14000 12000	71.1 73.8	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9	71.1 73.9
IVV 10000 9000	75.4 76.3	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4	75.5 76.4
IVV 8000 7000	77.5 78.3	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4	77.6 78.4
IVV 6000 5000	79.9 83.6	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8	80.1 83.8
IVV 4500 4000	86.0 88.0	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2	86.2 88.2
IVV 3500 3000	90.1 94.8	90.4 95.4	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5	90.4 95.5
IVV 2500 2000	98.0 98.7	98.9 99.9	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0	99.0 100.0
IVV 1800 1500	98.7 98.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 1200 1000	98.7 98.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 900 800	98.7 98.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 700 600	98.7 98.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 500 400	98.7 98.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 300 200	98.7 98.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IVV 100 0	98.7 98.7	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2385

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-48,50-66

OCY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 18000	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 16000	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 12000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 10000	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 9000	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7300	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 3500	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2500	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	98.5	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.5	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2385

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WBAS
STATION NAME

39-48.50-66
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.1 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5	47.2 61.5
IV 18000 IV 16000	61.7 62.8	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9	61.7 62.9
IV 14000 IV 12000	64.6 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5	64.7 67.5
IV 10000 IV 9000	69.1 69.6	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7	69.2 69.7
IV 8000 IV 7000	70.3 71.2	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3	70.4 71.3
IV 6000 IV 5000	73.2 76.3	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4	73.4 76.4
IV 4500 IV 4000	78.5 81.2	78.7 81.5	78.7 81.5	78.7 81.6	78.7 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6	78.8 81.6
IV 3500 IV 3000	85.0 92.8	85.4 93.2	85.4 93.4	85.5 93.4	85.5 93.4	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5	85.5 93.5
IV 2500 IV 2000	97.5 98.0	98.3 99.0	98.4 99.2	98.5 99.2	98.5 99.3	98.5 99.3	98.5 99.3	98.5 99.3	98.5 99.3	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4	98.5 99.4
IV 1800 IV 1500	98.1 98.2	99.1 99.2	99.4 99.5	99.5 99.7	99.5 99.7	99.6 99.7	99.6 99.8	99.6 99.8	99.6 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8
IV 1200 IV 1000	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 900 IV 800	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 700 IV 600	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	98.2 98.2	99.3 99.3	99.5 99.5	99.7 99.7	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2379

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

39-48,50-66
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 14000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 10000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 9000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 8000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 7000	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 6000	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 5000	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3000	93.4	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2500	97.7	98.3	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	98.2	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	98.2	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	98.3	99.2	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	98.3	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.3	99.2	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2381

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

39-48.50-66
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING N 20000	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3	56.8 67.3
IV 18000 IV 16000	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2	67.5 68.2
IV 14000 IV 12000	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7	70.0 72.7
IV 10000 IV 9000	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7	74.0 74.7
IV 8000 IV 7000	75.6 76.0	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1
IV 6000 IV 5000	77.5 81.3	77.6 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5	77.7 81.5
IV 4500 IV 4000	83.9 85.3	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5	84.1 85.5
IV 3500 IV 3000	87.6 93.2	87.8 93.6	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7	87.8 93.7
IV 2500 IV 2000	98.1 98.6	98.7 99.4	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6	98.8 99.6
IV 1800 IV 1500	98.6 98.8	99.4 99.6	99.6 99.7	99.6 99.7	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8
IV 1200 IV 1000	98.9 98.9	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 900 IV 800	98.9 98.9	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 700 IV 600	98.9 98.9	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	98.9 98.9	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	98.9 98.9	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	98.9 98.9	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CANU/JOHN RODGERS W8AS
STATION NAME

39-48,50-66
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 16000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 10000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 7000	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 6000	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 5000	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4000	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3000	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2500	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.9	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2287

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

40-66
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 20000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 16000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 9000	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 5000	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4500	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4000	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	98.0	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	98.7	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2294

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU OAHU/JOHN RODGERS WHAS

40-86

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	67.2 71.8	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9	67.3 71.9
≥ 18000 ≥ 16000	72.2 72.5	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6	72.3 72.6
≥ 14000 ≥ 12000	73.2 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2	73.3 75.2
≥ 10000 ≥ 9000	76.5 77.1	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2	76.6 77.2
≥ 8000 ≥ 7000	78.1 78.1	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2	78.2 78.2
≥ 6000 ≥ 5000	79.2 82.0	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1	79.3 82.1
≥ 4500 ≥ 4000	85.9 87.7	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9	86.0 87.9
≥ 3500 ≥ 3000	90.0 94.3	90.2 94.6	90.2 94.6	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7	90.3 94.7
≥ 2500 ≥ 2000	97.9 98.4	98.3 98.9	98.3 99.0	98.5 99.2	98.5 99.2	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3
≥ 1800 ≥ 1500	98.5 98.6	99.1 99.3	99.2 99.5	99.3 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7
≥ 1200 ≥ 1000	98.7 98.7	99.4 99.4	99.5 99.6	99.7 99.7	99.7 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
≥ 900 ≥ 800	98.7 98.7	99.4 99.4	99.6 99.6	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
≥ 700 ≥ 600	98.7 98.7	99.4 99.4	99.6 99.6	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
≥ 500 ≥ 400	98.7 98.7	99.4 99.4	99.6 99.6	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 300 ≥ 200	98.7 98.7	99.4 99.4	99.6 99.6	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 100 0	98.7 98.7	99.4 99.4	99.6 99.6	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2298

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521 HONOLULU CAHU/JOHN RODGERS MBAS

39-66

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 16000	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 12000	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 10000	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	80.9	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4500	84.6	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4000	86.0	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	88.9	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3000	94.1	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 2500	97.2	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	97.8	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	97.9	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	98.0	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	98.1	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	98.1	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2388

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

NGV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.6
≥ 18000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 12000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6
≥ 10000	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 9000	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
≥ 8000	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
≥ 7000	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
≥ 6000	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	77.8	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4500	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4000	83.4	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9
≥ 3500	86.8	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	94.6	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
≥ 2500	98.1	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 2000	98.4	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 1800	98.5	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	98.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 1200	98.5	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 1000	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.5	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2395

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU GAHU/JOHN RODGERS WBAS

39-66

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IVV 18000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IVV 16000	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IVV 14000	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IVV 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IVV 10000	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IVV 9000	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IVV 8000	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IVV 7000	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IVV 6000	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IVV 5000	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IVV 4500	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IVV 4000	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IVV 3500	84.0	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IVV 3000	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVV 2500	98.1	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVV 2000	98.5	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IVV 1800	98.5	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IVV 1500	98.5	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVV 1200	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVV 1000	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IVV 900	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 800	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 700	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 600	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 500	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 400	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 300	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 200	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 100	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IVV 0	98.6	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2393

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	> 5/16	≥ ¼	≥ 0
NO CEILING	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 16000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 12000	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 8000	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 7000	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000	71.2	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 5000	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4000	80.1	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3500	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3000	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	98.2	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 1800	98.3	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	98.4	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.4	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	98.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	98.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2396

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22921
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 14000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 12000	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 9000	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 8000	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4000	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3000	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	97.2	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2000	98.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	98.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	98.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	98.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	98.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	98.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.4	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.5	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2342

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-66
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7	63.3 69.7
IV 18000 16000	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9	70.4 70.9
IV 14000 12000	72.2 73.6	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7	72.2 73.7
IV 10000 9000	74.6 75.0	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2	74.8 75.2
IV 8000 7000	75.5 75.9	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1	75.7 76.1
IV 6000 5000	77.0 79.7	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0	77.2 80.0
IV 4500 4000	83.4 86.1	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4	83.7 86.4
IV 3500 3000	88.1 94.0	88.5 94.5	88.5 94.5	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6	88.5 94.6
IV 2500 2000	97.6 98.4	98.2 99.1	98.3 99.3	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4	98.4 99.4
IV 1800 1500	98.4 98.5	99.3 99.4	99.5 99.6	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7
IV 1200 1000	98.5 98.6	99.4 99.5	99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 900 800	98.6 98.6	99.5 99.5	99.7 99.7	99.8 99.8	99.8 99.9	99.8 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 700 600	98.6 98.6	99.5 99.5	99.7 99.7	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 500 400	98.6 98.6	99.5 99.5	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	98.6 98.6	99.5 99.5	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	98.6 98.6	99.5 99.5	99.8 99.8	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2306

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAHU/JOHN RODGERS WNAS
STATION NAME

40-66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.9 63.8	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9	58.1 63.9
IV 18000 IV 16000	64.1 64.8	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9	64.2 64.9
IV 14000 IV 12000	67.0 68.8	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9	67.1 68.9
IV 10000 IV 9000	70.9 71.6	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7	71.0 71.7
IV 8000 IV 7000	72.3 72.7	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8	72.5 72.8
IV 6000 IV 5000	74.4 77.5	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7	74.5 77.7
IV 4500 IV 4000	80.2 83.0	80.4 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3	80.5 83.3
IV 3500 IV 3000	86.4 91.8	86.7 92.4	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6	86.8 92.6
IV 2500 IV 2000	95.6 96.6	96.7 98.2	96.9 98.4	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6	97.0 98.6
IV 1800 IV 1500	97.1 97.2	98.7 98.9	98.9 99.1	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4
IV 1200 IV 1000	97.4 97.4	99.1 99.1	99.3 99.3	99.7 99.7	99.7 99.8	99.7 99.8	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9	99.7 99.9
IV 900 IV 800	97.4 97.4	99.1 99.1	99.3 99.3	99.7 99.7	99.9 99.9	99.9 99.9	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 700 IV 600	97.4 97.4	99.1 99.1	99.3 99.3	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	97.4 97.4	99.1 99.1	99.3 99.3	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	97.4 97.4	99.1 99.1	99.3 99.3	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	97.4 97.4	99.1 99.1	99.3 99.3	99.7 99.7	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2368

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WBAS

40-66

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 18000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 16000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 12000	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 6000	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4000	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3500	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	91.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	95.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000	96.7	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	97.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	97.4	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.5	98.9	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2369

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBS

39-66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 18000	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 16000	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 8000	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 7000	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 5000	74.3	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4500	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4000	81.2	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	84.8	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	91.0	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2500	95.1	96.4	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	96.2	98.1	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	96.5	98.3	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.6	98.6	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.7	98.7	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2477

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU GAHU/JOHN RODGERS WBAS

39-66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 16000	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 14000	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 12000	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 10000	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 9000	65.2	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 8000	66.7	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 5000	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4500	75.2	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 4000	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	90.8	91.4	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	96.1	97.2	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	96.9	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	97.0	98.5	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	97.1	98.6	99.0	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.2	98.7	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	97.2	98.7	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.2	98.8	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	97.2	98.8	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	97.3	98.8	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.8	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2475

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU DAHU/JOHN ROGERS WBAS
STATION NAME

39-66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6	44.6 55.6
IV 18000 16000	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1	56.1 57.1
IV 14000 12000	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3	58.8 61.3
IV 10000 9000	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3	64.0 64.3
IV 8000 7000	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2	65.7 66.2
IV 6000 5000	67.7 70.7	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8	67.7 70.8
IV 4500 4000	74.4 77.4	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6	74.5 77.6
IV 3500 3000	81.3 90.6	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1	81.5 91.1
IV 2500 2000	95.9 97.1	96.8 98.3	96.8 98.3	97.0 98.5	97.1 98.6	97.1 98.7	97.2 98.7	97.2 98.7	97.2 98.7	97.2 98.7	97.2 98.7	97.2 98.7	97.2 98.7	97.2 98.7	97.2 98.7	97.2 98.7
IV 1800 1500	97.3 97.5	98.4 98.7	98.5 98.8	98.7 99.0	98.8 99.2	98.9 99.3	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4
IV 1200 1000	97.5 97.5	98.7 98.9	98.9 99.0	99.1 99.3	99.3 99.5	99.4 99.6	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8	99.6 99.8
IV 900 800	97.5 97.5	98.9 98.9	99.0 99.0	99.3 99.3	99.6 99.6	99.6 99.6	99.8 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 700 600	97.5 97.5	98.9 98.9	99.0 99.0	99.3 99.3	99.6 99.6	99.6 99.6	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 400	97.5 97.5	98.9 98.9	99.0 99.0	99.3 99.3	99.6 99.6	99.6 99.6	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200	97.5 97.5	98.9 98.9	99.0 99.0	99.3 99.3	99.6 99.6	99.6 99.6	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	97.5 97.5	98.9 98.9	99.0 99.0	99.3 99.3	99.6 99.6	99.6 99.6	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2473

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521

HONOLULU CAHU/JOHN RODGERS WBAS

39-66

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 18000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 16000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 14000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 12000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 10000	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 7000	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 5000	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 4500	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3500	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3000	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	95.7	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000	97.0	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	97.3	98.7	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	97.5	98.9	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	97.5	98.9	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.5	98.9	99.2	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 900	97.5	98.9	99.2	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 800	97.5	98.9	99.2	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 700	97.5	98.9	99.2	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 600	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 500	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 400	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	97.5	98.9	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2467

4
DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

22521
STATION

HONOLULU CAMU/JOHN RODGERS WBAS
STATION NAME

39-66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 18000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 16000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 12000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 10000	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 8000	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 7000	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4500	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 4000	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	90.2	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2500	96.0	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	96.7	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	96.8	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	97.0	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	97.0	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.0	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	97.0	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	97.0	98.9	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	97.0	98.9	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2398

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

STATION
22521

STATION NAME
HONOLULU CAHU/JOHN RODGERS WBAS

YEARS
39-66

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 18000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 12000	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 10000	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 9000	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 8000	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 6000	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 5000	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4000	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 3500	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	91.0	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 2500	96.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	97.0	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	97.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	97.2	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	97.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.5	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 900	97.5	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 800	97.5	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 700	97.5	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 600	97.5	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 500	97.5	99.1	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.5	99.1	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.5	99.1	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.5	99.1	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.5	99.1	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.5	99.1	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2369

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

22521
STATION

HONOLULU DANU/JOHN RODGERS W.DAS
STATION NAME

46-67
PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	13.0	9.8	9.4	8.8	7.3	6.1	5.3	7.0	7.7	6.5	19.2	5.1	14827
FEB		10.4	9.7	9.2	9.1	7.7	7.0	6.2	7.0	7.7	7.4	18.6	5.2	13545
MAR		8.3	9.2	9.5	10.6	7.8	7.2	5.9	7.2	7.3	7.0	19.9	5.3	14850
APR		5.7	7.3	8.5	10.0	8.4	7.7	7.2	8.0	6.6	7.7	20.8	5.7	14374
MAY		5.6	8.3	9.1	10.2	9.0	7.5	6.7	8.5	9.3	8.6	17.1	5.5	14467
JUN		5.3	8.1	9.4	11.5	10.2	9.4	7.9	10.1	10.1	8.3	9.7	5.2	14147
JUL		4.5	9.1	11.4	12.4	10.7	10.6	8.7	9.5	9.5	6.8	6.8	4.3	14599
AUG		4.7	8.9	11.1	12.2	9.9	8.9	8.5	9.3	9.6	7.6	9.4	5.1	13864
SEP		8.8	11.3	12.4	12.3	10.2	8.4	7.0	7.9	8.0	5.9	7.8	4.5	13475
OCT		7.7	10.2	10.3	11.7	9.1	7.2	7.3	8.0	8.1	7.2	13.4	5.0	13868
NOV		6.1	9.2	9.3	10.5	8.3	8.1	7.6	7.7	8.4	7.3	13.4	5.2	14066
DEC		10.5	8.5	7.8	9.0	7.9	7.1	6.2	7.8	6.6	7.4	19.2	5.4	14424
TOTALS		7.7	9.1	9.8	10.7	8.9	7.9	7.0	8.2	8.6	7.3	14.8	5.2	170401

SKY COVER

PERIOD

IAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	18.5	11.3	9.5	9.9	7.3	5.6	5.4	5.9	6.3	4.7	16.7	4.5	1855
	03-05	19.5	9.9	7.6	8.1	6.8	5.1	5.5	6.3	7.0	5.0	17.0	4.5	1852
	06-08	14.1	10.8	7.8	7.6	7.0	6.3	4.7	7.9	7.7	7.4	18.0	5.1	1853
	09-11	10.7	8.5	8.2	9.0	7.4	6.7	5.3	7.9	8.5	7.0	20.5	5.4	1854
	12-14	5.3	8.4	10.5	9.0	7.8	6.4	6.2	7.7	9.4	7.5	20.5	5.6	1853
	15-17	6.9	8.3	10.2	9.3	8.2	6.4	4.7	7.3	8.4	8.8	21.7	5.6	1852
	18-20	12.4	9.3	9.4	9.6	7.3	5.9	5.0	6.5	8.1	6.4	20.1	5.1	1855
	21-23	16.5	11.1	10.1	8.2	6.7	5.8	5.4	6.4	6.4	5.0	18.3	4.7	1853
TOTALS		13.0	9.8	9.4	8.8	7.3	6.1	5.3	7.0	7.7	6.5	19.2	5.1	18527

4

●

5 L-8
MONTH

●

C

1210WS

FORM
JUL 64

0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

22521
STATIC

HONOLULU DATA / JOHN RODGERS WEAS
STATION NAME

66-67

428
MON

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	14.8	12.2	10.2	10.0	7.3	6.1	4.7	5.6	6.1	4.4	18.7	4.6	1859
	03-05	14.6	11.7	11.3	9.3	6.6	6.6	5.3	5.8	5.8	4.8	18.1	4.6	1857
	06-08	8.5	10.5	10.6	9.3	6.0	6.8	4.8	8.8	7.8	7.6	19.2	5.3	1859
	09-11	3.9	7.1	8.0	10.2	10.2	7.5	7.8	7.5	9.0	8.7	19.3	5.8	1857
	12-14	2.5	5.4	7.5	11.5	8.9	10.1	7.3	8.1	9.1	8.5	21.1	6.0	1857
	15-17	2.5	6.7	7.1	11.8	9.4	8.0	5.0	7.9	8.1	9.6	24.1	6.1	1853
	18-20	7.2	9.3	11.3	10.8	6.5	5.9	5.9	7.3	7.3	7.6	20.8	5.4	1858
	21-23	12.5	10.9	10.1	11.2	7.4	6.1	7.0	6.5	5.6	4.6	18.0	4.8	1854
TOTALS		8.3	9.2	9.5	10.8	7.8	7.2	5.9	7.2	7.3	7.0	19.9	5.3	14850

SKY COVER

APR
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	10.8	9.5	10.3	9.1	7.1	7.7	6.9	7.3	7.6	5.8	17.8	5.1	1793
	03-05	11.5	8.3	8.0	10.0	6.7	6.9	6.9	8.8	8.6	6.6	17.8	5.2	1793
	06-08	4.8	9.4	8.4	9.3	7.5	5.5	6.7	7.9	9.6	10.3	20.7	5.8	1794
	09-11	1.6	4.9	6.9	10.2	8.6	9.2	9.3	8.6	9.7	9.4	21.3	6.2	1800
	12-14	.9	4.2	7.1	12.1	9.5	9.3	7.6	8.2	9.6	9.5	22.1	6.3	1797
	15-17	1.5	5.2	8.4	10.0	9.5	8.3	6.7	8.4	8.4	9.6	23.8	6.2	1799
	18-20	5.1	8.4	9.3	8.8	9.4	6.9	7.1	7.4	7.7	6.3	23.6	5.7	1799
	21-23	9.0	8.6	9.4	10.3	8.6	7.8	6.6	7.4	7.6	4.2	19.6	5.2	1799
TOTALS		5.7	7.3	8.5	10.0	8.4	7.7	7.2	8.0	8.6	7.7	20.8	5.7	14374

SKY COVER

MAY
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	10.3	11.3	11.3	11.5	8.5	6.1	6.4	8.4	8.2	5.1	12.4	4.7	1839
	03-05	11.5	9.7	10.2	10.1	9.4	6.1	6.5	8.1	7.7	6.7	13.6	4.8	1833
	06-08	4.6	9.4	9.1	10.4	7.2	6.8	5.3	9.9	7.7	9.7	18.8	5.7	1838
	09-11	1.4	5.2	8.2	9.3	10.4	9.8	8.2	9.2	10.2	10.1	18.2	6.1	1840
	12-14	.9	4.9	8.4	8.7	8.1	9.9	7.2	9.1	11.7	11.5	19.6	6.3	1842
	15-17	1.4	6.4	6.5	10.3	9.3	7.1	7.3	9.0	9.0	11.7	21.9	6.3	1841
	18-20	4.6	9.0	9.3	10.7	8.2	6.6	7.2	7.7	10.0	8.1	18.6	5.6	1837
	21-23	9.7	10.4	9.4	9.7	10.5	7.3	7.0	7.4	8.3	6.1	14.0	4.9	1839
TOTALS		5.6	8.3	9.1	10.2	9.0	7.5	6.9	8.5	9.3	8.6	17.1	5.5	14709

SKY COVER

22321
STATIC

HONOLULU OAHU/JOHN RODGERS HBAS
STATION NAME

46-66

PERIOD

JUN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	10.0	10.8	11.7	13.1	9.3	8.3	6.7	9.2	6.1	5.4	7.2	4.4	1767
	03-05	11.6	10.2	9.7	10.7	8.5	8.0	7.5	8.9	9.7	7.2	7.9	4.6	1770
	06-08	5.3	8.9	9.7	9.7	9.5	9.3	7.7	9.3	10.8	11.0	9.7	5.3	1768
	09-11	1.3	5.3	7.6	10.3	10.9	11.1	9.4	12.1	11.7	9.3	10.9	5.8	1768
	12-14	.3	4.4	7.8	11.9	12.3	10.7	9.4	12.2	11.4	9.2	10.3	5.6	1769
	15-17	1.4	5.9	9.8	13.0	11.2	9.3	7.7	10.9	10.0	9.1	12.1	5.6	1766
	18-20	4.0	8.6	9.0	11.0	9.2	9.3	7.6	9.3	10.2	10.1	11.6	5.4	1769
	21-23	3.2	11.2	10.5	12.3	10.6	9.1	7.4	9.1	8.5	5.4	7.7	4.6	1770
TOTALS		5.3	8.1	9.4	11.5	10.2	9.4	7.9	10.1	10.1	8.2	9.7	5.2	14147

SKY COVER

46-55

512
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	8.3	11.5	12.6	12.3	10.0	10.0	9.0	9.2	8.0	4.1	5.1	4.3	1821
	03-05	8.7	11.5	12.0	11.0	10.6	9.8	8.1	8.3	7.7	5.6	6.6	4.5	1822
	06-08	4.2	10.2	10.8	12.0	9.2	9.1	8.6	10.3	10.4	8.1	7.0	5.0	1823
	09-11	1.5	5.9	9.7	13.2	10.0	11.2	10.6	10.9	11.3	9.2	6.6	5.4	1822
	12-14	.6	5.0	10.1	13.3	11.6	14.0	9.3	11.0	10.0	7.7	7.1	5.4	1813
	15-17	2.0	7.2	11.3	11.6	11.7	11.5	7.7	8.9	11.0	9.6	7.2	5.3	1822
	18-20	4.2	9.2	11.4	12.6	10.6	10.3	8.1	8.6	9.9	5.1	8.7	5.0	1822
	21-23	6.2	12.3	13.5	13.4	11.3	9.2	8.1	8.8	7.4	3.7	5.9	4.3	1814
TOTALS		4.5	9.1	11.4	12.4	10.7	10.6	8.7	9.5	9.5	6.8	6.8	4.9	14559

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SKY COVER

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

46-48, 50-66

AUG
MONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	8.9	11.9	11.6	12.4	9.9	8.2	8.0	7.5	7.8	4.9	6.9	4.5	1735
	03-05	10.7	12.9	10.6	10.3	8.8	6.3	7.5	8.5	8.4	5.6	8.3	4.5	1731
	06-08	5.6	9.8	9.7	11.2	9.3	7.6	7.5	8.6	11.1	9.3	10.4	5.2	1729
	09-11	1.4	5.4	9.3	12.9	9.9	9.6	9.3	12.0	11.0	10.0	9.1	5.6	1734
	12-14	.8	4.8	9.7	12.8	11.3	11.5	8.8	10.7	11.6	8.2	4.9	5.6	1736
	15-17	1.4	5.9	11.6	12.6	10.3	9.6	8.2	9.1	10.1	9.6	11.4	5.5	1734
	18-20	2.3	9.1	13.3	11.8	9.7	8.2	8.7	9.7	9.5	8.0	9.7	5.2	1734
	21-23	6.2	11.3	12.8	13.5	10.4	7.9	9.8	8.5	7.5	4.9	7.3	4.5	1731
TOTALS		4.7	8.2	11.1	12.2	9.9	8.9	8.5	9.3	9.6	7.6	9.4	5.1	13364

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FORM
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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

46-48, 50-66
PERIOD

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	14.7	15.0	11.4	11.6	8.5	4.9	6.3	5.5	5.9	3.8	12.3	4.1	1735
	03-05	14.9	12.6	11.0	12.6	9.6	5.7	7.4	7.0	5.8	4.6	9.0	4.1	1736
	06-08	8.7	10.0	10.9	10.8	7.4	8.2	6.5	8.0	8.6	8.2	12.9	5.0	1735
	09-11	3.4	8.2	9.9	12.5	9.4	8.0	8.7	8.8	9.1	8.1	14.0	5.4	1734
	12-14	1.4	6.0	9.8	12.2	10.8	8.1	8.3	9.2	9.0	10.3	15.1	5.8	1730
	15-17	2.0	7.4	7.5	11.0	9.3	7.8	7.1	9.5	10.9	10.5	17.0	5.9	1735
	18-20	5.2	10.7	9.4	11.0	9.3	7.3	7.4	9.4	8.8	7.0	14.6	5.3	1735
	21-23	10.9	11.6	12.2	12.0	8.5	7.6	6.8	6.4	6.6	5.7	12.1	4.5	1728
TOTALS		7.7	10.2	10.3	11.7	9.1	7.2	7.3	8.0	8.1	7.2	13.4	5.0	13268

SKY COVER

NOV
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	14.6	10.4	8.9	10.1	6.9	6.4	8.3	8.4	7.3	5.4	13.3	4.7	1757
	03-05	14.7	10.8	11.4	10.9	8.5	8.2	6.6	5.6	6.9	4.4	11.8	4.2	1758
	06-08	9.2	11.0	9.7	10.3	7.5	6.9	7.2	7.3	9.8	7.5	13.5	5.0	1759
	09-11	3.8	8.3	8.1	13.1	9.3	9.6	8.9	7.2	7.7	8.4	15.4	5.5	1767
	12-14	1.1	6.5	9.6	9.5	11.2	9.1	7.7	8.6	10.2	9.1	17.7	5.9	1766
	15-17	2.7	6.6	7.8	10.7	6.8	9.3	6.3	9.2	10.0	10.5	20.1	6.1	1767
	18-20	6.5	10.1	8.6	10.4	8.3	8.2	7.7	8.0	8.7	7.5	10.2	5.3	1766
	21-23	12.3	10.2	10.4	9.2	8.0	7.3	7.8	7.4	6.9	5.4	15.0	4.8	1766
TOTALS		8.1	9.2	9.3	10.5	8.3	8.1	7.6	7.7	8.4	7.3	15.4	5.2	14106

SKY COVER

22521
STATION

HONOLULU CAMU/JOHN RODGERS WAS
STATION NAME

46-66

DEC
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	15.8	8.2	8.7	10.3	7.9	6.9	5.7	7.4	6.4	4.6	18.0	4.8	1829
	03-05	16.7	9.0	8.5	10.2	6.6	5.9	6.3	7.3	6.8	4.8	17.9	4.8	1829
	06-08	11.3	8.1	7.1	7.7	6.7	7.5	6.3	8.0	6.7	9.0	19.6	5.5	1829
	09-11	7.5	8.3	7.4	8.6	7.1	7.5	7.0	8.8	10.0	8.7	19.0	5.7	1828
	12-14	3.4	7.4	6.1	9.8	8.7	9.4	6.7	8.4	10.0	9.1	20.9	6.0	1827
	15-17	4.8	8.6	6.9	8.2	9.1	6.8	6.0	9.3	9.0	10.7	20.7	5.9	1827
	18-20	11.4	8.9	8.3	9.0	8.3	6.8	5.9	6.3	8.5	6.3	20.4	5.3	1828
	21-23	13.4	9.1	9.3	8.5	8.5	6.0	6.0	6.8	9.1	6.1	17.2	5.0	1827
TOTALS		10.5	8.5	7.8	9.0	7.9	7.1	6.2	7.3	8.6	7.4	19.2	5.4	14424

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes; spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

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STATION NAME

YEARS

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STATION NAME

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MEAN

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

22521 HONOLULU OAHU/JOHN RODGERS WPAAS 39-67

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39													
40	82	83	85	85	87	84	85	86	87	85	82	82	90
41	83	82	82	85	85	88	88	90	91	90	90	86	91
42	88	90	81	82	48				89	89	88	84	
43	86	83	86	86	86	87	87	88	88	88	86	84	88
44	85	85	82	83	86	86	88	88	89	88	86	84	89
45	83	85	86	86	90	77	91	92	90	90	88	87	92
46	85	84	85	85	90	72	90	92	92	89	90	86	92
47	84	84	85	86	87	88	90	89	89	88	88	84	90
48	82	83	82	84	85	86	88	89	89	87	85	80	89
49	81	81	81	80	85	85					83	82	
50	82	82	83	82	84	86	85	87	87	87	86	83	87
51	82	83	83	83	84	86	87	89	88	87	85	82	89
52	82	82	81	81	83	84	85	88	86	85	84	81	88
53	83	84	83	84	85	85	85	88	87	86	82	81	88
54	85	82	84	85	84	85	85	88	87	86	86	83	88
55	83	80	81	82	82	83	85	85	86	84	84	85	86
56	84	82	82	85	84	84	87	88	87	86	85	84	88
57	84	81	81	85	86	87	87	90	88	90	87	86	90
58	84	86	85	86	83	86	88	87	88	88	89	84	89
59	86	83	85	86	88	88	89	92	92	90	88	85	92
60	83	84	89	85	85	89	87	89	89	90	87	87	90
61	85	85	86	85	87	87	89	88	90	91	87	86	91
62	84	85	84	86	86	88	89	87	88	88	86	84	89
63	81	84	83	84	87	87	89	91	91	88	89	84	91
64	83	84	84	86	85	87	87	90	89	86	86	84	90
65	81	80	83	85	86	86	89	89	93	91	88	83	91
66	83	84	86	86	90	90	90	91	93	92	87	85	93
67	84	84	83	88	88								
MEAN	83.5	83.4	83.6	84.5	85.9	86.7	87.6	88.8	88.9	88.2	86.4	84.0	89.7
S D	1.667	2.006	2.006	1.816	2.107	2.212	1.813	1.812	1.999	2.039	2.150	1.905	1.838
TOTAL OBS.	868	791	868	840	869	810	806	806	810	837	840	868	10612

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

YEARS

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DATA PROCESSING DIVISION
ITAC, USAF
ASHEVILLE, N.C. 28601

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

22521
STATION

HONOLULU OAHU/JOHN RODGERS WNAS
STATION NAME

39-67
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
39						68	67	68	66	68	66	67	
40	58	57	59	65	68	69	70	72	68	68	65	63	57
41	60	56	60	63	65	66	70	69	71	67	60	59	56
42	58	60	58	60	66				71	68	68	63	
43	59	57	57	63	58	70	70	72	68	68	62	62	57
44	32	60	60	64	65	69	70	70	66	66	60	61	60
45	58	60	64	60	65	70	68	70	68	65	64	59	58
46	60	62	65	63	63	70	70	70	70	62	60	59	59
47	57	60	62	64	57	68	71	69	70	69	65	61	57
48	60	59	63	61	67	69	71	71	72	70	65	66	59
49	61	62	62	64	65	69					62	61	
50	62	64	63	65	66	67	69	69	67	68	64	60	60
51	60	57	62	62	67	66	70	72	69	69	70	66	57
52	60	63	61	65	63	70	71	72	69	68	67	62	60
53	59	62	61	65	68	70	70	70	69	66	64	57	57
54	59	58	57	61	64	71	70	72	69	65	66	57	57
55	61	61	55	66	68	65	66	68	68	64	63	63	55
56	62	62	61	62	67	69	68	71	69	68	64	59	59
57	61	58	57	60	64	67	71	69	67	69	69	62	57
58	60	59	56	56	67	68	68	70	69	66	59	56	56
59	56	59	62	63	65	66	69	70	71	68	66	63	56
60	58	56	59	64	66	70	70	72	70	68	65	62	56
61	59	63	64	62	70	69	69	71	70	67	66	64	59
62	63	55	62	65	66	69	70	71	69	64	63	54	54
63	56	58	60	66	65	67	69	70	68	65	64	61	56
64	54	64	62	66	65	65	69	70	70	66	61	64	61
65	61	57	58	62	67	70	70	67	68	65	67	63	57
66	59	57	62	60	65	72	71	70	71	66	66	62	57
67	59	62	61	62	68								
MEAN	59.7	59.6	60.5	62.8	60.1	68.6	69.5	70.2	69.0	66.8	64.3	61.1	57.5
S. D.	1.941	2.602	2.575	2.342	1.676	1.761	1.273	1.386	1.544	1.688	2.776	2.833	1.735
TOTAL OBS	868	791	868	840	868	810	806	806	810	837	840	868	10012

(FROM DAILY OBSERVATIONS)

HONOLULU OAHU/JOHN RODGERS WBAS

STATION

STATION NAME

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

40-67
YEARS

JAN
MONTH

PAGE 1 ALL
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL DB /WB	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
86/ 85							.0	.0	.0	.0								10	10		
84/ 83						.0	.1	.1	.2	.0								91	91		
82/ 81				.0	.3	.7	.9	.5	.1	.0								476	476		
80/ 79		.0		.3	1.1	2.4	2.3	.9	.7	.0								1342	1342		
78/ 77			.1	1.0	2.5	3.5	2.6	1.1	.1									2022	2022		1
76/ 75		.1	1.6	2.7	3.7	3.3	1.6	.5	.1	.0								2476	2476		7
74/ 73		.5	2.3	4.5	4.6	2.2	.9	.1										2815	2815	259	19
72/ 71	.1	1.4	3.3	5.0	3.5	1.3	.4	.0										2772	2773	1220	236
70/ 69	.2	2.7	4.2	3.7	1.9	.9	.1	.0										2553	2553	2770	1067
68/ 67	.2	2.6	3.8	1.4	.8	.3	.0											1700	1700	4160	1828
66/ 65	.1	2.6	3.0	.7	.2	.0												1219	1219	4367	2775
64/ 63	.0	1.9	1.7	.2	.0													721	721	2933	3587
62/ 61	.0	.7	.6	.0														267	267	1750	3453
60/ 59		.2	.2	.0														63	63	808	2633
58/ 57		.0	.0															11	11	220	1438
56/ 55																				40	852
54/ 53																				4	439
52/ 51																					154
50/ 49																					44
48/ 47																					11
46/ 45																					3
TOTAL	.5	12.8	20.8	19.5	18.7	14.7	8.9	3.4	.6	.1								18538	18539	18539	18539
Element (X)	Σx ²		Σx		x̄		s _x		No Obs.		Mean No of Hours with Temperature										
Rel. Hum.	100078698		1341620		72.4		12.698		18539		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	97526958		1341748		72.4		4.753		18539				652.5	370.5	47.9		744.0				
Wet Bulb	80966734		1223444		66.0		3.507		18539				337.7	10.7			744.0				
Dew Point	72744703		1158805		62.5		4.103		18539				126.4	.8			744.0				

FORM 1210 WS JUL 64 0-26-5 (Rev 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1210 WS 0-26-5 (Det 50) FORM
JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 ALL
HOURS (L. S. T.)

[illegible]

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40-67

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MONTH

PAGE 1 ALL

HOURS (L.S.T.)

FORM

0-26-5 (Det 50)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

40-67

YEARS

44Y

MONTH

PAGE 1 ALL
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (Dat 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUN
MONTH
PAGE 1 ALL
HOURS (L S T)

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1210 WS JUL 64 FORM

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PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 ALL
HOURS (L. S. T.)

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

22521 HONOLULU DAHU/JOHN RODGERS WBAS

39-66

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL DB./WB.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
90/ 89											.0							1	1		
88/ 87							.0	.0	.0		.0							25	25		
86/ 85						.1	.3	.3	.1	.0								163	163		
84/ 83			.0	.0	.2	1.2	1.6	1.4	.2	.0								861	861		
82/ 81				.1	1.2	3.0	3.2	1.3	.2	.0								1701	1701		
80/ 79		.0	.1	.7	2.7	4.2	3.0	.8	.1									2180	2181	1	
78/ 77		.1	.6	3.0	4.8	4.0	1.4	.2	.0		.0							2657	2657	9	1
76/ 75		.3	2.4	6.3	8.4	3.5	.5	.1										4048	4048	173	10
74/ 73	.0	1.0	4.1	6.8	4.0	1.5	.3	.0										3473	3473	1148	131
72/ 71	.0	2.0	4.1	2.7	.9	.3	.0	.0	.0									1906	1906	3201	663
70/ 69	.1	1.7	2.8	.8	.2	.1	.0											1056	1059	5404	2225
68/ 67	.0	1.0	1.3	.2	.1	.0	.0											491	492	5420	3531
66/ 65	.0	.3	.5	.1	.0	.0												181	181	2451	4299
64/ 63		.1	.2	.0														54	54	690	4103
62/ 61		.0	.0															7	7	227	2237
60/ 59		.0																1	1	65	1014
58/ 57																				15	364
56/ 55																				1	147
54/ 53																					58
52/ 51																					9
50/ 49																					9
48/ 47																					2
46/ 45																					1
42/ 41																					1
TOTAL	.1	6.4	16.1	20.9	23.4	17.9	10.4	4.2	.6	.1	.0							18805	18810		18805
																		18805		18805	
Element (X)	ΣX ²		ΣX		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	95745371		1325013		70.5		11.248		18804		≤ 50 F		≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb	108458026		1426220		75.8		4.115		18810					710.7	578.4	151.0		720.0			
Wet Bulb	88914003		1292083		68.7		2.685		18805					587.9	50.9			720.0			
Dew Point	79951436		1224488		65.1		3.412		18805					281.2	5.4			720.0			

FORM 1210 WS JUL 44 0-26-5 (Rev 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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39-66

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PAGE 1 ALL
HOURS (L. S. T.)

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210 WS JUL 64 0-26-5 (Det 50) FORM
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67

STATION		STATION NAME												YEARS	
HRS (LST)		JAN		MAR.		MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	ANNUAL	
00-02	MEAN	69.0	68.9	69.5	70.9	72.4	74.5	75.4	76.2	75.7	74.8	72.8	70.6	72.6	
	S. D.	3.324	3.216	2.815	2.304	1.981	1.620	1.560	1.512	1.862	2.127	2.593	3.020	3.533	
	TOTAL OBS	2224	2033	2277	2242	2342	2290	2366	2289	2219	2286	2293	2303	27164	
03-05	MEAN	68.1	68.0	68.7	70.0	71.5	73.6	74.6	75.4	74.7	73.8	71.9	69.9	71.7	
	S. D.	3.574	3.448	3.105	2.530	2.144	1.810	1.744	1.595	2.110	2.402	2.854	3.302	3.686	
	TOTAL OBS	2221	2030	2278	2243	2349	2308	2374	2290	2219	2295	2298	2303	27208	
06-08	MEAN	69.2	69.3	70.4	72.7	74.8	76.5	77.2	77.8	77.4	76.2	73.9	71.1	73.9	
	S. D.	3.979	3.660	3.513	3.172	2.942	2.790	2.623	2.565	2.915	3.168	3.460	3.553	4.456	
	TOTAL OBS	2406	2199	2412	2334	2396	2397	2473	2380	2308	2385	2388	2476	28554	
09-11	MEAN	75.9	75.5	76.1	77.7	79.6	81.0	81.7	82.4	82.7	81.7	79.6	76.8	79.2	
	S. D.	3.230	3.204	3.098	2.749	2.539	2.340	2.450	2.331	2.306	2.557	2.938	2.882	3.758	
	TOTAL OBS	2409	2209	2415	2339	2397	2398	2473	2385	2309	2385	2395	2475	28581	
12-14	MEAN	77.7	77.3	77.7	79.0	80.9	82.5	83.3	84.1	84.1	82.8	80.7	78.2	80.7	
	S. D.	3.067	3.175	3.084	2.698	2.551	2.236	2.135	2.176	2.155	2.533	2.672	2.691	3.622	
	TOTAL OBS	2407	2202	2413	2337	2399	2398	2464	2387	2309	2379	2393	2472	28554	
15-17	MEAN	75.8	75.7	75.9	77.2	78.9	80.8	81.6	82.3	81.9	80.4	78.2	76.0	78.7	
	S. D.	3.038	3.114	3.113	2.689	2.624	2.266	2.204	2.189	2.223	2.609	2.607	2.659	3.612	
	TOTAL OBS	2402	2202	2413	2339	2397	2398	2473	2382	2310	2383	2396	2446	28539	
18-20	MEAN	72.2	72.3	72.4	73.5	75.2	77.0	77.8	78.5	78.2	77.2	75.2	72.9	75.2	
	S. D.	2.562	2.623	2.373	2.158	1.993	1.800	1.744	1.610	1.554	1.816	1.988	2.278	3.147	
	TOTAL OBS	2254	2052	2314	2284	2350	2303	2386	2299	2231	2324	2342	2332	27471	
21-23	MEAN	70.3	70.1	70.8	72.1	73.4	75.5	76.4	77.1	76.8	75.8	73.9	71.5	73.7	
	S. D.	2.913	2.872	2.440	2.034	1.885	1.459	1.408	1.366	1.584	1.868	2.310	2.687	3.292	
	TOTAL OBS	2220	2033	2278	2253	2332	2289	2355	2285	2217	2266	2305	2300	27153	
ALL HOURS	MEAN	72.4	72.2	72.8	74.2	75.9	77.7	78.6	79.3	79.0	77.9	75.8	73.4	75.8	
	S. D.	4.753	4.647	4.383	4.083	4.030	3.754	3.658	3.626	3.910	3.975	4.115	4.169	4.837	
	TOTAL OBS	18539	16956	18800	18371	18962	18777	19364	18697	18118	18723	18810	19107	223224	

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22521 HONOLULU DAHU/JOHN RODGERS WBAS 39-67

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00-02	MEAN	64.8	64.2	64.5	65.4	66.8	68.4	69.2	70.0	69.6	69.2	67.7	65.8	67.2	
	S. D.	3.055	3.079	2.698	2.293	1.880	1.536	1.684	1.681	1.689	1.959	2.392	3.028	3.089	
	TOTAL OBS	2224	2033	2277	2242	2342	2290	2366	2284	2219	2286	2293	2302	27160	
03-05	MEAN	64.3	63.7	64.0	65.0	66.4	68.1	68.9	69.6	69.2	68.7	67.3	65.4	66.8	
	S. D.	3.169	3.182	2.763	2.323	1.910	1.585	1.707	1.769	1.803	2.069	2.451	3.125	3.163	
	TOTAL OBS	2221	2030	2275	2243	2349	2308	2374	2287	2219	2295	2297	2303	27201	
06-08	MEAN	64.7	64.3	64.7	66.1	67.6	69.1	69.8	70.4	70.1	69.5	68.0	65.9	67.5	
	S. D.	3.262	3.213	2.807	2.479	2.131	1.856	1.907	1.896	1.911	2.178	2.597	3.093	3.321	
	TOTAL OBS	2405	2199	2410	2334	2396	2397	2473	2378	2308	2384	2388	2476	28548	
09-11	MEAN	67.3	66.6	66.7	67.7	69.0	70.3	70.9	71.5	71.5	71.3	69.9	68.0	69.3	
	S. D.	2.920	3.056	2.790	2.511	2.260	1.857	1.959	1.884	1.937	2.134	2.799	2.765	3.038	
	TOTAL OBS	2405	2202	2415	2339	2396	2398	2473	2385	2307	2385	2395	2475	28575	
12-14	MEAN	67.8	67.2	67.3	68.1	69.3	70.6	71.3	71.8	71.8	71.6	70.3	68.5	69.7	
	S. D.	3.493	3.070	2.867	2.646	2.310	1.974	2.016	1.922	2.044	2.101	2.474	2.745	3.145	
	TOTAL OBS	2408	2202	2413	2337	2397	2396	2463	2387	2305	2379	2392	2472	28551	
15-17	MEAN	67.3	66.7	66.7	67.6	68.8	70.2	70.9	71.4	71.3	70.9	69.6	67.8	69.1	
	S. D.	2.886	3.071	2.782	2.503	2.148	1.789	1.871	1.794	1.873	2.007	2.378	2.722	2.927	
	TOTAL OBS	2402	2202	2413	2339	2397	2396	2473	2382	2309	2383	2396	2446	28538	
18-20	MEAN	66.1	65.5	65.6	66.4	67.8	69.3	69.9	70.5	70.4	70.0	68.6	66.7	68.1	
	S. D.	2.920	2.987	2.827	2.333	2.003	1.941	1.741	1.698	1.683	1.950	2.324	2.692	2.914	
	TOTAL OBS	2254	2052	2314	2283	2350	2303	2386	2299	2231	2323	2342	2332	27469	
21-23	MEAN	65.4	64.7	65.1	65.9	67.2	68.8	69.6	70.2	70.0	69.6	68.2	66.2	67.6	
	S. D.	2.944	3.025	2.610	2.261	1.949	1.523	1.693	1.665	1.671	1.929	2.376	2.818	2.991	
	TOTAL OBS	2220	2033	2278	2253	2332	2289	2355	2285	2217	2286	2302	2300	27150	
ALL HOURS	MEAN	66.0	65.4	65.6	66.6	67.9	69.4	70.1	70.7	70.5	70.1	68.7	66.8	68.2	
	S. D.	3.507	3.335	2.974	2.653	2.313	1.930	2.000	1.940	2.032	2.261	2.685	3.082	3.236	
	TOTAL OBS	18539	16953	18795	18370	18959	18777	19363	18689	18115	18721	18805	19106	223192	

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22521 HONOLULU OAHU/JOHN RODGERS WBAS 39-67

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.		MAR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL			
00-02	MEAN	62.4	61.4	61.6	62.4	63.8	65.4	66.2	66.9	66.7	66.4	65.1	63.1	64.3											
	S. D.	3.831	3.989	3.509	3.081	2.618	2.229	2.472	2.451	2.410	2.734	3.355	3.812	3.661											
	TOTAL OBS	2224	2033	2277	2242	2342	2290	2366	2286	2219	2284	2294	2302	27161											
03-05	MEAN	62.0	61.2	61.3	62.2	63.6	65.2	66.1	66.8	66.6	66.2	64.8	62.9	64.1											
	S. D.	3.843	4.050	3.478	3.042	2.607	2.263	2.474	2.801	2.772	2.769	3.224	3.892	3.729											
	TOTAL OBS	2221	2030	2275	2243	2349	2308	2374	2287	2219	2295	2297	2303	27201											
06-08	MEAN	62.0	61.4	61.4	62.5	63.8	65.5	66.1	66.9	66.6	66.3	65.0	63.0	64.2											
	S. D.	3.947	4.106	3.604	3.304	2.810	2.474	2.591	2.586	2.536	2.827	3.309	3.911	3.783											
	TOTAL OBS	2405	2199	2410	2334	2396	2397	2473	2378	2308	2384	2388	2476	28548											
09-11	MEAN	62.6	61.7	61.6	62.4	63.6	65.1	65.8	66.4	66.3	66.3	65.2	63.4	64.2											
	S. D.	4.337	4.501	4.143	3.808	3.276	2.798	2.908	2.941	3.039	3.624	3.596	4.077	4.031											
	TOTAL OBS	2405	2202	2415	2339	2394	2398	2473	2385	2307	2385	2394	2475	28574											
12-14	MEAN	62.7	61.7	61.7	62.4	63.4	64.8	65.5	66.0	66.0	66.2	65.1	63.5	64.1											
	S. D.	4.503	4.639	4.300	4.152	3.483	3.010	3.119	3.003	3.254	3.265	3.704	4.155	4.100											
	TOTAL OBS	2408	2202	2413	2337	2397	2394	2463	2387	2305	2379	2392	2472	28551											
15-17	MEAN	62.8	61.7	61.7	62.5	63.6	65.1	65.8	66.2	66.3	66.4	65.2	63.4	64.2											
	S. D.	4.253	4.481	3.967	3.602	3.098	2.680	2.853	2.779	2.912	2.962	3.407	3.956	3.858											
	TOTAL OBS	2402	2202	2413	2339	2398	2396	2473	2384	2309	2384	2396	2447	28543											
18-20	MEAN	62.8	61.8	61.8	62.6	63.9	65.5	66.1	66.7	66.7	66.6	65.3	63.4	64.5											
	S. D.	4.044	4.186	3.641	3.234	2.746	2.237	2.563	2.477	2.513	2.796	3.297	3.724	3.664											
	TOTAL OBS	2254	2052	2314	2283	2350	2304	2386	2299	2231	2323	2342	2332	27470											
21-23	MEAN	62.6	61.7	61.8	62.6	63.9	65.5	66.3	66.9	66.8	66.5	65.2	63.3	64.5											
	S. D.	3.870	4.018	3.534	3.120	2.958	2.202	2.481	2.426	2.498	2.775	3.339	3.738	3.659											
	TOTAL OBS	2220	2033	2278	2253	2332	2289	2355	2286	2218	2286	2302	2300	27152											
ALL HOURS	MEAN	62.5	61.6	61.6	62.4	63.7	65.3	66.0	66.6	66.5	66.4	65.1	63.3	64.3											
	S. D.	4.103	4.265	3.793	3.445	2.970	2.519	2.707	2.713	2.772	2.990	3.412	3.919	3.819											
	TOTAL OBS	18539	16953	18795	18370	18960	18778	19363	18697	18116	18722	18805	19107	223200											

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N.C. 28801

RELATIVE HUMIDITY

22521
STATION

HONOLULU OAHU/JOHN RODGERS WBAS
STATION NAME

39-67
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.8	96.1	79.4	55.5	31.3	6.5	72.4	18539
FEB		100.0	100.0	100.0	99.7	95.1	76.3	50.0	24.7	4.0	70.5	16953
MAR		100.0	100.0	100.0	99.8	95.2	74.9	45.6	18.9	2.5	69.1	18795
APR		100.0	100.0	100.0	99.8	94.9	72.7	41.1	13.5	1.2	67.7	18370
MAY		100.0	100.0	100.0	99.9	94.9	71.0	37.8	10.4	.8	66.9	18959
JUN		100.0	100.0	100.0	100.0	95.0	70.0	37.2	7.6	.3	66.4	18777
JUL		100.0	100.0	100.0	100.0	94.9	69.1	36.2	7.4	.6	66.2	19363
AUG		100.0	100.0	100.0	99.9	94.3	69.5	35.8	7.5	.5	66.1	18689
SEP		100.0	100.0	100.0	99.8	93.7	70.1	38.2	10.0	.7	66.6	18115
OCT		100.0	100.0	100.0	99.9	96.4	75.8	44.8	15.1	1.6	68.7	18720
NOV		100.0	100.0	100.0	99.9	97.4	79.3	48.7	21.7	2.6	70.5	18804
DEC		100.0	100.0	100.0	99.9	97.5	80.5	53.4	24.3	4.0	71.5	19106
TOTALS		100.0	100.0	100.0	99.9	95.5	74.1	43.6	15.9	2.1	68.5	223190

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

22521

HONOLULU OAHU/JOHN RODGERS WBS

40-67

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	99.9	96.6	82.3	55.1	11.5	80.1	2224
	03-05	100.0	100.0	100.0	100.0	100.0	97.6	84.4	61.6	16.3	81.5	2221
	06-08	100.0	100.0	100.0	100.0	99.6	94.8	76.3	50.2	10.9	78.6	2405
	09-11	100.0	100.0	100.0	99.7	91.9	57.0	27.0	10.2	1.6	64.4	2405
	12-14	100.0	100.0	100.0	99.1	84.6	44.5	16.7	6.2	1.5	60.8	2408
	15-17	100.0	100.0	100.0	99.8	94.6	62.8	27.1	8.7	2.3	65.0	2402
	18-20	100.0	100.0	100.0	100.0	99.5	91.2	60.0	22.2	2.8	73.0	2254
	21-23	100.0	100.0	100.0	100.0	99.8	95.7	76.2	40.7	5.5	77.3	2220
TOTALS		100.0	100.0	100.0	99.8	96.1	79.4	55.5	31.3	6.5	72.4	18539

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

22521
STATION

HONOLULU OAHU/JCHN RODGERS W:AS
STATION NAME

40-67
PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	99.9	94.9	77.4	45.5	6.1	77.8	2033
	03-05	100.0	100.0	100.0	100.0	99.9	95.3	81.3	52.0	10.1	79.5	2030
	06-08	100.0	100.0	100.0	100.0	99.6	92.4	71.2	42.2	7.3	76.7	2199
	09-11	100.0	100.0	100.0	99.6	90.4	55.4	20.6	6.8	1.0	63.0	2202
	12-14	100.0	100.0	100.0	98.6	83.6	40.0	13.2	4.7	1.0	59.6	2202
	15-17	100.0	100.0	100.0	99.5	90.6	55.0	19.0	4.9	1.1	62.7	2202
	18-20	100.0	100.0	100.0	100.0	98.9	88.5	53.5	14.2	2.1	71.0	2052
	21-23	100.0	100.0	100.0	100.0	99.8	94.2	70.2	30.5	3.6	75.1	2033
TOTALS		100.0	100.0	100.0	99.7	95.1	76.3	50.0	24.7	4.0	70.5	16953

RELATIVE HUMIDITY

MAR
MONTH

MONTH	HOURS (U.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	02-02	100.0	100.0	100.0	100.0	99.5	96.8	76.2	35.0	4.0	76.5	2277
	03-04	100.0	100.0	100.0	100.0	99.6	97.3	79.6	43.6	6.1	77.9	2275
	04-05	100.0	100.0	100.0	100.0	99.2	91.2	62.1	28.8	4.3	73.9	2410
	09-11	100.0	100.0	100.0	99.3	89.4	47.5	16.5	5.2	1.1	61.5	2415
	12-14	100.0	100.0	100.0	99.0	82.6	33.8	11.5	3.7	.7	58.6	2413
	15-17	100.0	100.0	100.0	99.6	92.6	51.4	15.8	5.3	.9	62.1	2413
	18-20	100.0	100.0	100.0	100.0	99.5	89.5	43.3	9.8	1.0	69.7	2314
	21-23	100.0	100.0	100.0	100.0	99.7	96.1	64.5	21.8	2.0	73.7	2278
TOTALS		100.0	100.0	100.0	99.6	95.2	74.9	45.6	18.9	2.5	69.1	18795

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

22521

HONOLULU OAHU/JOHN RODGERS H&AS

40-67

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	98.8	70.0	21.5	1.5	74.6	2342
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	77.7	31.8	2.7	76.5	2349
	06-08	100.0	100.0	100.0	100.0	99.5	84.4	43.3	10.5	.7	69.3	2396
	09-11	100.0	100.0	100.0	99.9	89.5	35.2	6.3	1.0	.0	58.7	2396
	12-14	100.0	100.0	100.0	99.4	78.3	23.8	4.5	1.2	.3	56.1	2397
	15-17	100.0	100.0	100.0	100.0	93.0	40.3	10.8	1.8	.1	60.2	2397
	18-20	100.0	100.0	100.0	100.0	99.9	90.6	34.4	3.8	.1	68.4	2350
	21-23	100.0	100.0	100.0	100.0	99.9	90.2	57.7	11.7	.7	72.1	2332
TOTALS		100.0	100.0	100.0	99.9	94.9	71.0	37.8	10.4	.8	66.9	18959

RELATIVE HUMIDITY

JUN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	98.1	68.8	15.2	.6	73.8	2790
	03-05	100.0	100.0	100.0	100.0	100.0	98.6	76.7	24.9	.8	75.9	2308
	06-08	100.0	100.0	100.0	100.0	99.8	85.0	43.7	9.0	.4	69.3	2347
	09-11	100.0	100.0	100.0	100.0	91.0	36.6	7.4	.9	.2	59.1	2398
	12-14	100.0	100.0	100.0	99.7	78.1	21.6	4.0	.4	.0	55.6	2396
	15-17	100.0	100.0	100.0	94.9	92.3	37.4	7.5	.8	.1	59.3	2396
	18-20	100.0	100.0	100.0	100.0	99.7	89.4	35.3	2.8	.2	68.0	2303
	21-23	100.0	100.0	100.0	100.0	100.0	97.4	58.1	6.6	.3	71.6	2289
TOTALS		100.0	100.0	100.0	100.0	95.0	70.0	37.2	7.6	.3	66.4	18777

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

22521
STATION

HONOLULU DAHU/JOHN RODGERS WBAS
STATION NAME

39-66
PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	97.3	68.4	13.6	.9	73.4	2366
	03-05	100.0	100.0	100.0	100.0	100.0	97.8	76.2	21.3	1.9	75.1	2374
	06-08	100.0	100.0	100.0	100.0	99.8	86.1	41.6	8.7	.8	69.2	2473
	09-11	100.0	100.0	100.0	100.0	91.5	34.9	8.1	1.6	.1	59.0	2473
	12-14	100.0	100.0	100.0	99.9	77.4	20.7	3.8	.9	.2	55.7	2463
	15-17	100.0	100.0	100.0	100.0	91.6	36.6	7.6	1.5	.2	59.3	2473
	18-20	100.0	100.0	100.0	100.0	99.5	87.2	32.5	4.0	.4	67.7	2386
	21-23	100.0	100.0	100.0	100.0	99.9	96.4	55.1	8.2	.7	71.3	2355
TOTALS		100.0	100.0	100.0	100.0	94.9	69.1	36.2	7.4	.6	66.2	19363

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RELATIVE HUMIDITY

SEP
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	97.5	70.1	19.1	1.1	74.2	2219
	03-05	100.0	100.0	100.0	100.0	100.0	97.7	80.3	29.4	2.1	76.2	2219
	06-08	100.0	100.0	100.0	100.0	100.0	86.0	48.2	13.1	1.0	70.2	2308
	09-11	100.0	100.0	100.0	99.7	86.9	34.3	6.9	1.9	.1	58.3	2307
	12-14	100.0	100.0	100.0	99.0	73.3	21.5	3.6	1.0	.1	55.3	2305
	15-17	100.0	100.0	100.0	99.8	91.1	41.2	8.4	1.3	.1	59.7	2309
	18-20	100.0	100.0	100.0	100.0	99.6	90.3	35.0	3.9	.4	68.3	2231
	21-23	100.0	100.0	100.0	100.0	99.9	96.3	56.3	11.2	.6	71.7	2217
TOTALS		100.0	100.0	100.0	99.8	93.7	70.1	38.2	10.0	.7	66.6	18115

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-48,50-66

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	97.5	76.9	26.0	2.1	75.7	2286
	03-05	100.0	100.0	100.0	100.0	100.0	98.5	80.7	37.9	4.2	77.5	2295
	06-08	100.0	100.0	100.0	100.0	99.9	90.1	55.6	20.8	2.1	72.2	2384
	09-11	100.0	100.0	100.0	99.8	91.8	41.8	11.3	3.2	.4	60.3	2385
	12-14	100.0	100.0	100.0	99.8	84.3	32.4	7.5	2.5	.6	58.1	2379
	15-17	100.0	100.0	100.0	100.0	96.1	58.2	16.5	3.9	.6	63.0	2383
	18-20	100.0	100.0	100.0	100.0	99.7	93.8	46.4	7.9	.9	70.2	2323
	21-23	100.0	100.0	100.0	100.0	99.9	97.0	66.7	17.6	1.5	73.4	2285
TOTALS		100.0	100.0	100.0	99.9	95.4	75.3	44.8	15.1	1.6	68.7	18720

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FORM
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

22521

HONOLULU OAHU/JOHN RODGERS WBAS

39-66

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.8	97.1	78.5	41.5	6.8	77.4	2302
	03-05	100.0	100.0	100.0	100.0	99.9	97.2	81.8	47.7	9.6	79.1	2303
	06-08	100.0	100.0	100.0	100.0	99.9	93.3	71.8	38.2	6.2	70.3	2476
	09-11	100.0	100.0	100.0	99.8	93.5	58.7	23.8	7.2	1.1	64.1	2475
	12-14	100.0	100.0	100.0	99.6	90.5	45.6	16.3	4.5	1.0	61.4	2472
	15-17	100.0	100.0	100.0	99.9	96.8	68.7	28.3	7.3	1.3	65.8	2446
	18-20	100.0	100.0	100.0	100.0	100.0	94.2	59.2	18.4	2.3	72.7	2332
	21-23	100.0	100.0	100.0	100.0	99.9	96.7	72.9	32.3	4.2	75.9	2300
TOTALS		100.0	100.0	100.0	99.9	97.5	80.9	53.4	24.2	4.0	71.5	19106

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

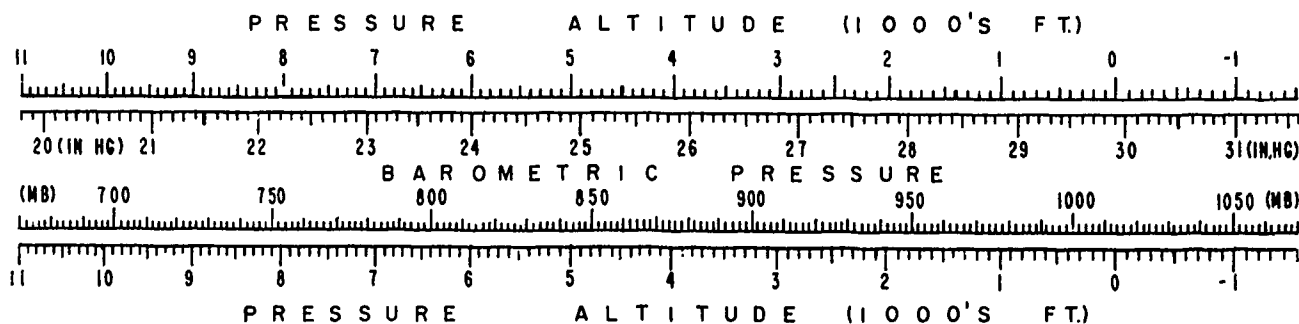
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

22521 HONOLULU DAHU/JOHN RODGERS WHAS 46-67

STATION		STATION NAME												YEARS											
HRS (L.S.T.)				JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL									
02	MEAN	29.963	29.981	30.005	30.016	30.015	30.012	30.000	29.978	29.956	29.966	29.973	29.978	29.988	29.988										
	S. D.	.105	.090	.085	.067	.052	.041	.053	.044	.041	.055	.077	.086	.073	.073										
	TOTAL OBS	682	620	682	655	675	629	648	620	599	620	626	651	7707											
05	MEAN	29.957	29.971	29.998	30.011	30.012	30.010	29.997	29.974	29.953	29.961	29.966	29.971	29.982	29.982										
	S. D.	.107	.089	.086	.069	.064	.043	.039	.045	.044	.058	.077	.086	.074	.074										
	TOTAL OBS	682	619	681	658	670	630	648	618	600	620	627	651	7704											
08	MEAN	29.995	30.011	30.039	30.052	30.047	30.042	30.029	30.007	29.986	29.999	30.006	30.011	30.019	30.019										
	S. D.	.107	.090	.086	.070	.054	.043	.038	.045	.044	.057	.077	.085	.073	.073										
	TOTAL OBS	681	619	681	657	675	629	650	618	599	620	626	651	7706											
11	MEAN	29.994	30.013	30.039	30.048	30.043	30.037	30.024	30.004	29.982	29.992	29.995	30.004	30.015	30.015										
	S. D.	.105	.089	.082	.067	.053	.042	.037	.043	.040	.054	.076	.085	.072	.072										
	TOTAL OBS	682	621	681	660	674	628	649	620	599	620	629	650	7712											
14	MEAN	29.926	29.949	29.981	29.997	30.004	30.003	29.991	29.964	29.932	29.935	29.936	29.940	29.963	29.963										
	S. D.	.105	.089	.080	.066	.052	.043	.037	.042	.041	.054	.075	.084	.074	.074										
	TOTAL OBS	682	621	680	660	676	630	641	620	598	617	628	649	7702											
17	MEAN	29.939	29.955	29.980	29.989	29.992	29.990	29.975	29.950	29.929	29.944	29.950	29.956	29.963	29.963										
	S. D.	.105	.086	.083	.067	.054	.044	.038	.043	.043	.057	.076	.084	.072	.072										
	TOTAL OBS	680	621	682	659	676	628	649	618	600	619	629	650	7709											
20	MEAN	29.983	30.000	30.026	30.037	30.037	30.028	30.011	29.991	29.975	29.992	29.997	30.000	30.007	30.007										
	S. D.	.104	.086	.084	.069	.055	.044	.039	.045	.045	.058	.076	.084	.072	.072										
	TOTAL OBS	682	621	680	658	674	630	648	619	599	620	629	651	7711											
23	MEAN	29.990	30.013	30.043	30.056	30.056	30.049	30.031	30.011	29.989	30.000	30.003	30.006	30.021	30.021										
	S. D.	.105	.088	.084	.066	.051	.051	.037	.043	.041	.055	.078	.084	.073	.073										
	TOTAL OBS	680	620	681	660	675	630	646	619	600	617	628	649	7705											
ALL HOURS	MEAN	29.968	29.986	30.014	30.026	30.026	30.021	30.007	29.985	29.963	29.974	29.978	29.983	29.995	29.995										
	S. D.	.108	.092	.087	.072	.059	.048	.044	.049	.048	.061	.080	.088	.076	.076										
	TOTAL OBS	5451	4962	5448	5267	5395	5032	5178	4952	4794	4953	5022	5202	61656											

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBs FROM HOURLY OBSERVATIONS

22521 HONOLULU OAHU/JOHN RODGERS MBAS 46-67

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
02	MEAN	1015.2	1015.8	1016.7	1017.0	1017.0	1016.9	1016.5	1015.8	1015.0	1015.3	1015.6	1015.7	1016.1	
	S. D.	3.559	3.037	2.918	2.293	1.788	1.391	1.293	1.455	1.405	1.886	2.581	2.890	2.444	
	TOTAL OBS	682	620	682	655	675	629	649	620	599	620	626	651	7708	
05	MEAN	1015.0	1015.5	1016.4	1016.9	1016.9	1016.9	1016.4	1015.6	1014.9	1015.2	1015.3	1015.5	1015.9	
	S. D.	3.616	3.029	2.983	2.401	1.882	1.478	1.372	1.561	1.540	1.980	2.618	2.891	2.510	
	TOTAL OBS	682	619	681	652	670	630	648	618	600	620	627	651	7704	
08	MEAN	1016.3	1016.9	1017.6	1018.2	1018.1	1017.9	1017.5	1016.7	1016.0	1016.5	1016.7	1016.9	1017.1	
	S. D.	3.640	3.032	2.961	2.420	1.858	1.449	1.362	1.561	1.548	1.984	2.618	2.875	2.506	
	TOTAL OBS	681	619	681	657	675	629	650	618	599	620	626	651	7706	
11	MEAN	1016.3	1016.9	1017.6	1018.1	1018.0	1017.7	1017.3	1016.6	1015.9	1016.2	1016.3	1016.6	1017.0	
	S. D.	3.554	3.005	2.809	2.313	1.799	1.429	1.290	1.456	1.390	1.859	2.540	2.847	2.437	
	TOTAL OBS	682	621	681	660	674	628	648	620	599	620	629	650	7712	
14	MEAN	1014.0	1014.8	1015.9	1016.4	1016.8	1016.8	1016.2	1015.3	1014.2	1014.3	1014.3	1014.5	1015.3	
	S. D.	3.536	2.998	2.766	2.248	1.777	1.452	1.303	1.427	1.392	1.860	2.535	2.837	2.513	
	TOTAL OBS	681	621	680	660	676	629	641	620	596	617	628	648	7699	
17	MEAN	1014.4	1015.0	1015.8	1016.1	1016.2	1016.2	1015.7	1014.8	1014.0	1014.6	1014.8	1015.0	1015.2	
	S. D.	3.531	2.902	2.851	2.316	1.840	1.489	1.331	1.484	1.471	1.992	2.578	2.829	2.441	
	TOTAL OBS	680	621	682	660	676	626	649	618	600	619	629	650	7710	
20	MEAN	1015.9	1016.5	1017.4	1017.8	1017.7	1017.9	1016.9	1016.2	1015.6	1016.2	1016.4	1016.5	1016.7	
	S. D.	3.530	2.928	2.893	2.382	1.892	1.518	1.401	1.557	1.583	2.000	2.576	2.832	2.465	
	TOTAL OBS	682	621	680	659	674	629	648	619	599	620	629	651	7711	
23	MEAN	1016.1	1016.9	1018.0	1018.4	1018.4	1018.1	1017.6	1016.9	1016.1	1016.5	1016.6	1016.7	1017.2	
	S. D.	3.534	2.983	2.878	2.284	1.757	1.404	1.286	1.468	1.426	1.897	2.621	2.836	2.470	
	TOTAL OBS	680	620	681	660	675	629	646	619	600	617	628	649	7704	
ALL HOURS	MEAN	1015.4	1016.0	1017.0	1017.4	1017.4	1017.2	1016.5	1016.0	1015.2	1015.6	1015.7	1015.9	1016.3	
	S. D.	3.658	3.101	2.998	2.470	1.965	1.590	1.475	1.649	1.653	2.095	2.710	2.971	2.588	
	TOTAL OBS	5450	4962	5448	5269	5395	5029	5179	4952	4794	4953	5022	5201	61654	